



## 212S DETAIL PARTS REVISIONS LIST

PAGE #	REV.	DATE	NOTES
I	C	07.12.04	212S DETAIL PARTS REVISIONS LIST PAGE 1
II	C	07.12.04	212S DETAIL PARTS REVISIONS LIST PAGE 2
III	C	07.12.04	212S DETAIL PARTS REVISIONS LIST PAGE 3
IV	C	07.12.04	212S DETAIL PARTS REVISIONS LIST PAGE 4
1	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE
2	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE
3	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE
4	A	06.12.08	NEW ISSUE
	B	07.05.11	UPDATE MATERIAL & GRAIN DIRECTION
	C	07.12.04	NO CHANGE
5	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE
6	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE
7	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	10.13 WAS 10.50 & 10.88; ADD DIMENSION 12.50 & 5.15
8	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	REMOVED ONE Ø 1.950; MOVE Ø 1.500 POSITION
9	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	INSTRUMENTS RE-LOCATED
10	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE
11	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE
12	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE
13	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE
14	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE

DESIGN	RF	<b>DART AEROSPACE LTD</b>	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	DS	DRAWING NO.	REV. C
MFG. APPR.	N/A	<b>D212-725-1</b>	SHEET I OF IV
APPROVED		TITLE	SCALE
DE APPR.		<b>212S DETAIL PARTS</b>	NTS
DATE	<b>07.12.04</b>	<small>COPYRIGHT © 2006 BY DART AEROSPACE LTD          THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS          NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT          WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	



PAGE #	REV.	DATE	NOTES
15	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE
16	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE
17	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE
18	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE
19	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE
20	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE
21	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE
22	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE
23	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE
24	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE
25	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE
26	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE
27	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE
28	A	06.12.08	NEW ISSUE
	B	07.05.11	ADD NOTE FABRICATE FROM SS
	C	07.12.04	NO CHANGE
29	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE
30	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE

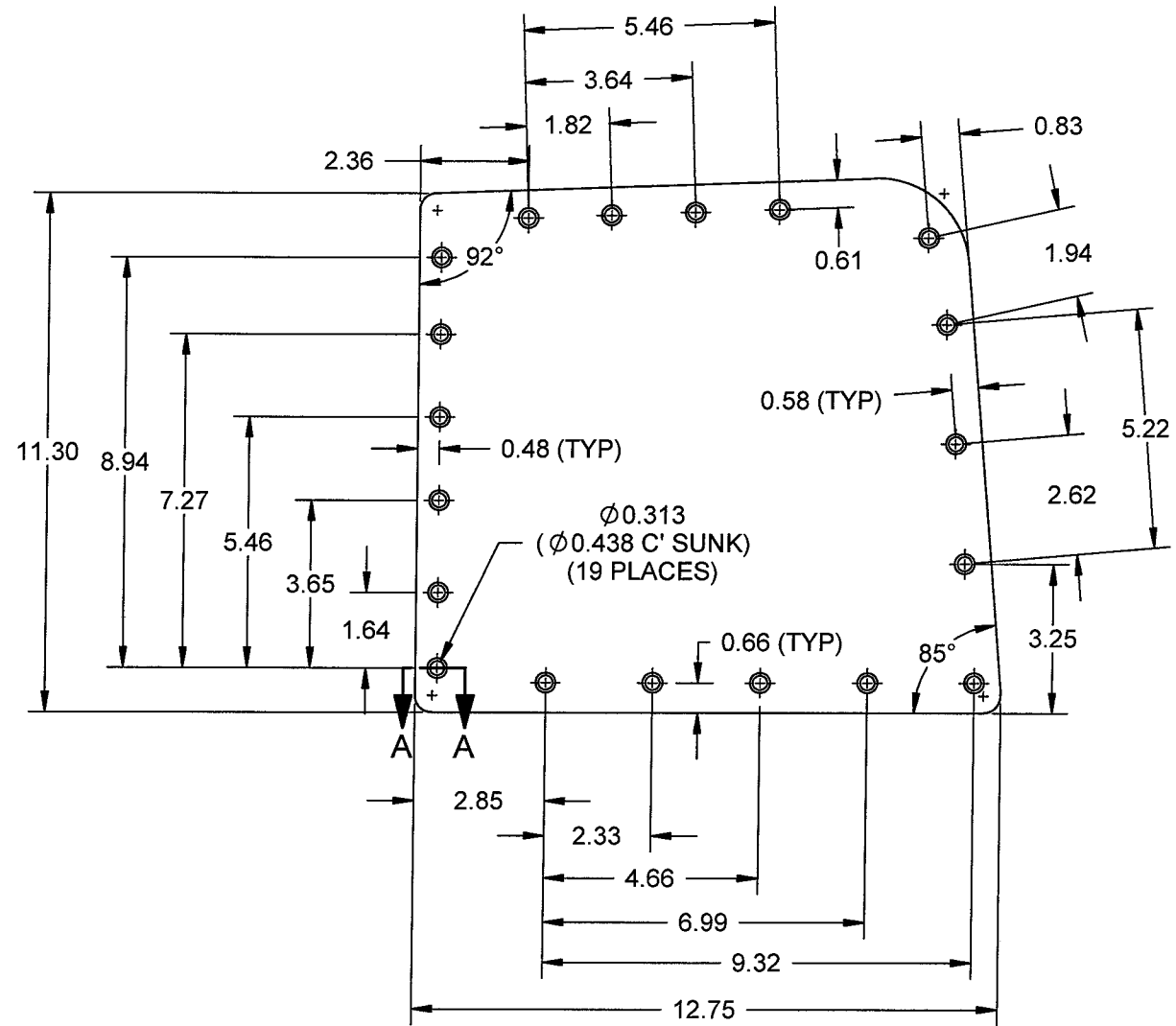
DESIGN	RF	<b>DART AEROSPACE LTD</b>	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	DS	DRAWING NO.	REV. C
MFG. APPR.	N/A	<b>D212-725-1</b>	SHEET II OF IV
APPROVED		TITLE	SCALE
DE APPR.		<b>212S DETAIL PARTS</b>	NTS
DATE	<b>07.12.04</b>	<small>COPYRIGHT © 2006 BY DART AEROSPACE LTD          THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

PAGE #	REV.	DATE	NOTES
31	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE
32	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	0.040 WAS 0.050; 6.69 WAS 6.29; ADD NOTE
33	A	06.12.08	NEW ISSUE
	B	07.05.11	D212-725-1-919 WAS D212-725-1-921
	C	07.12.04	MATERIAL CHANGE ON D212-725-1-089
34	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	CORRECTED DIMENSIONS TO TEMPLATE
35	A	06.12.08	NEW ISSUE
	B	07.05.11	ADD CAD PLATE
	C	07.12.04	ADDED $\phi 0.313$ & $\phi 0.250$ , ISO VIEW TO D212-725-1-109/-110; CLARIFY TOLERANCES
36	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE
37	A	06.12.08	NEW ISSUE
	B	07.05.11	NO CHANGE
	C	07.12.04	NO CHANGE
38	A	N/A	N/A
	B	07.05.11	ADDED D212-725-1-119/-120
	C	07.12.04	NO CHANGE
39	A	N/A	N/A
	B	07.05.11	ADD D212-725-1-121/-921
	C	07.12.04	NO CHANGE
40	A	N/A	N/A
	B	07.05.11	ADD D212-725-1-123
	C	07.12.04	NO CHANGE
41	A	N/A	N/A
	B	07.05.11	ADDED D212-725-1-125/-127/-129/-923
	C	07.12.04	NO CHANGE
42	A	N/A	N/A
	B	07.05.11	ADDED D212-725-1-131/-925
	C	07.12.04	NO CHANGE
43	A	N/A	N/A
	B	07.05.11	ADDED D212-725-1-133
	C	07.12.04	NO CHANGE
44	A	N/A	N/A
	B	07.05.11	ADDED D212-725-1-135
	C	07.12.04	NO CHANGE
45	A	N/A	N/A
	B	N/A	N/A
	C	07.12.04	ADDED D212-725-1-137/-927
46	A	N/A	N/A
	B	N/A	N/A
	C	07.12.04	ADDED D212-725-1-139/-931

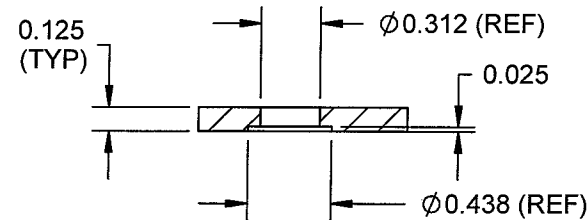
DESIGN	RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	DS	DRAWING NO.	REV. C
MFG. APPR.	N/A	<b>D212-725-1</b>	SHEET III OF IV
APPROVED		TITLE	SCALE
DE APPR.		<b>212S DETAIL PARTS</b>	NTS
DATE	<b>07.12.04</b>	COPYRIGHT © 2006 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

[illegible]

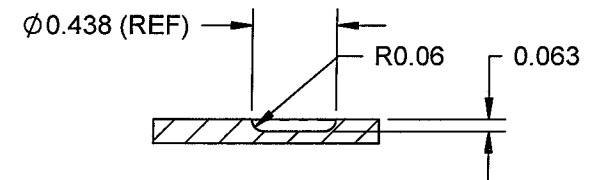
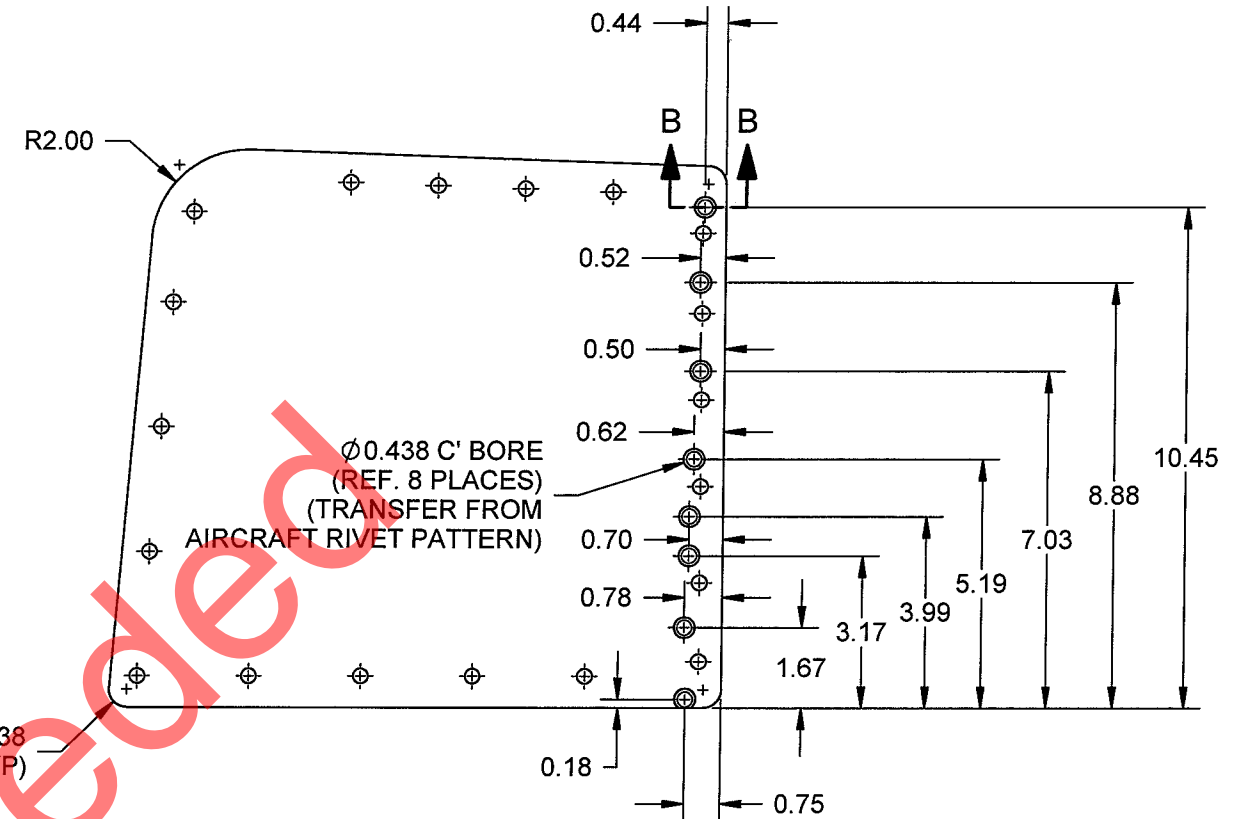
DESIGN	RF	<b>DART AEROSPACE LTD</b>	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	DS	DRAWING NO.	REV. C
MFG. APPR.	N/A	D212-725-1	SHEET IV OF IV
APPROVED		TITLE	SCALE
DE APPR.		212S DETAIL PARTS	NTS
DATE 07.12.04		COPYRIGHT © 2006 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT	



DIMENSIONS BETWEEN HOLES ARE PROVIDED FOR REFERENCE ONLY  
TRANSFER  $\phi 0.313$  HOLES FROM AIRCRAFT



SECTION A-A  
(19 PLACES TOP SIDE)  
SCALE 1:1



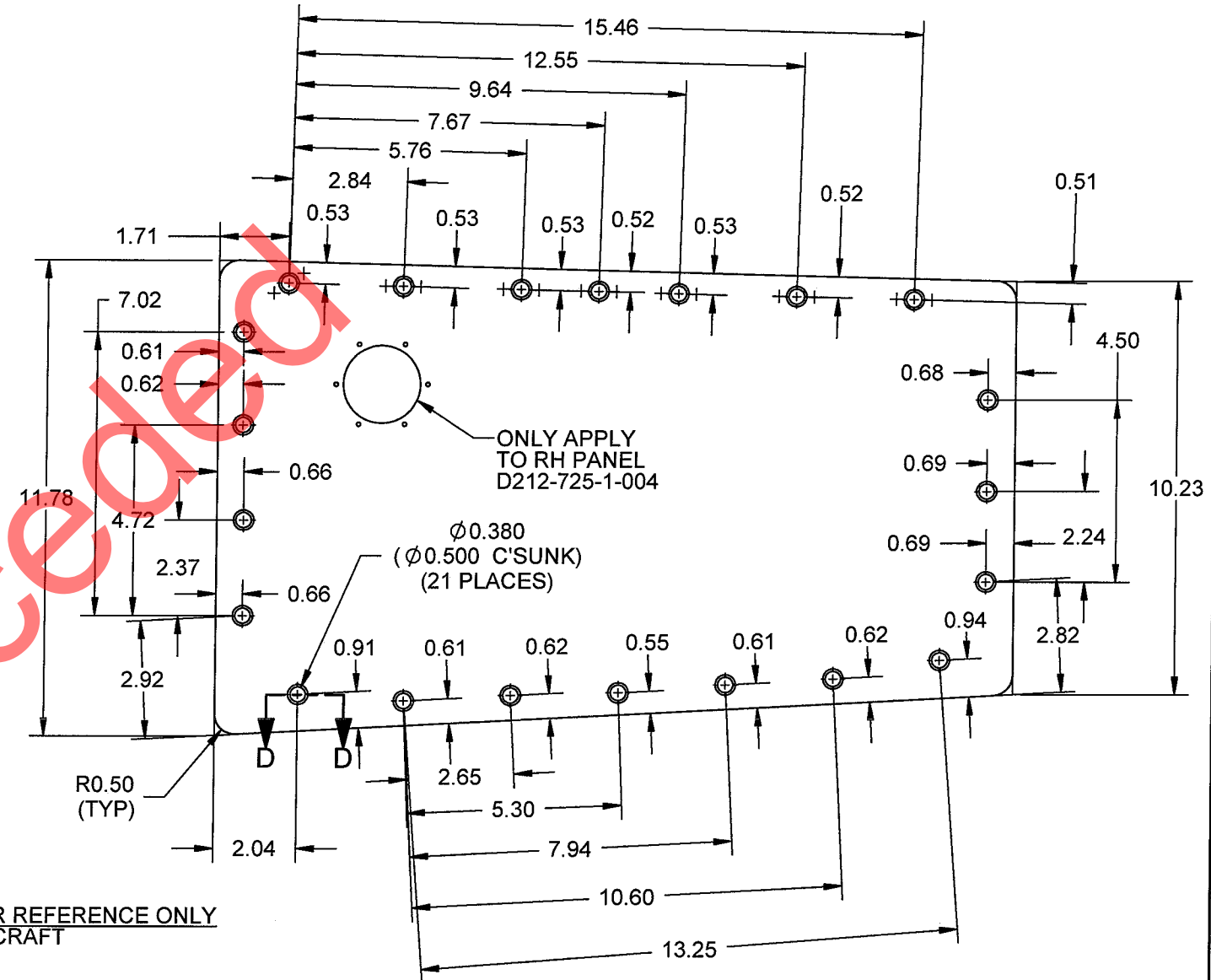
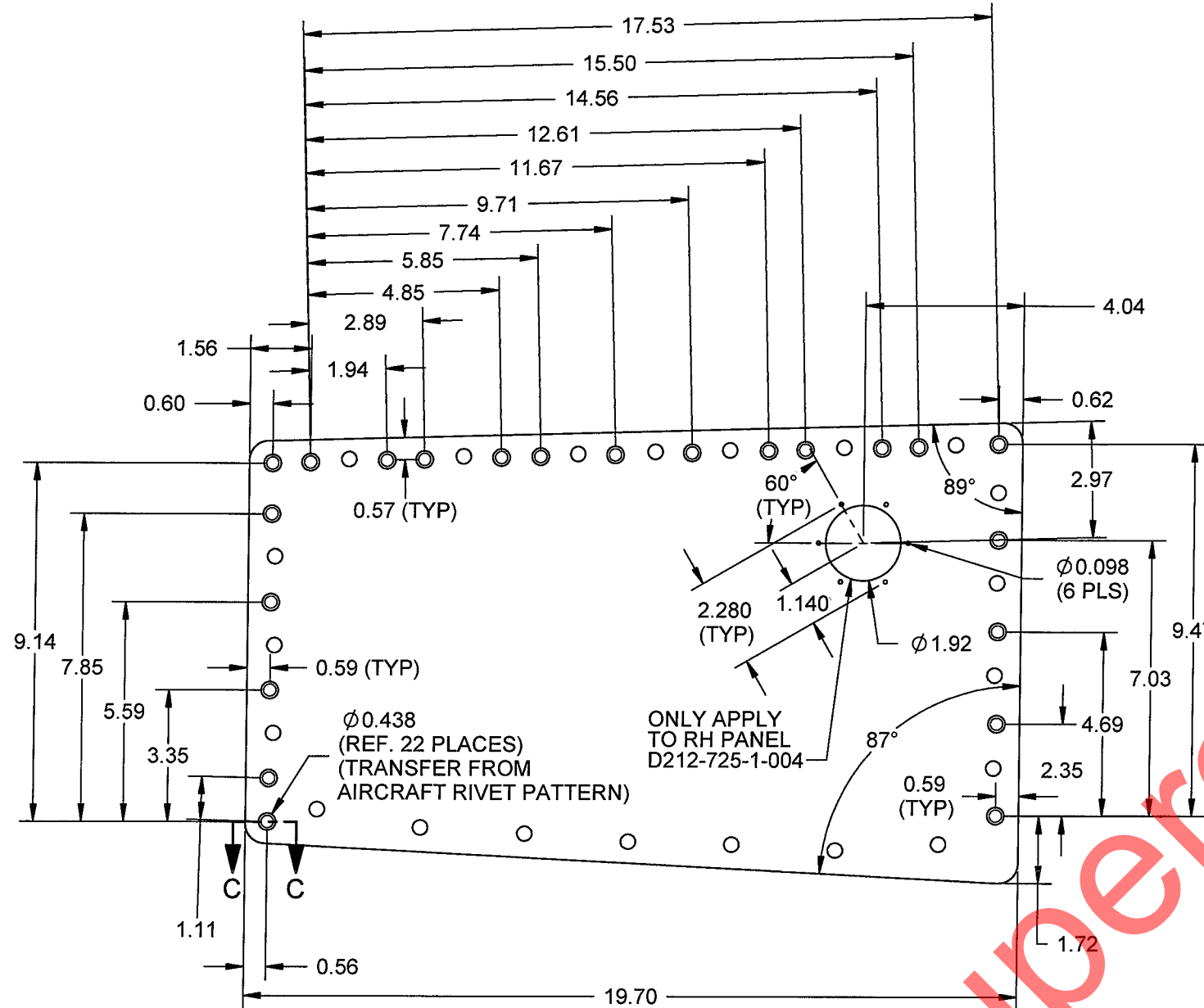
SECTION B-B  
(8 PLACES BACK SIDE)  
SCALE 1:1

D212-725-1-001 PANEL (SHOWN)  
D212-725-1-002 OPPOSITE

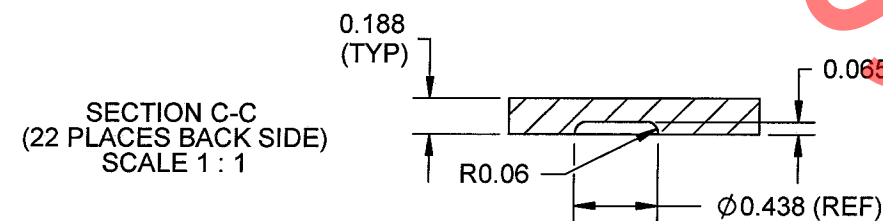
**NOTES:**

- 1) MATERIAL: 2024-T3 (QQ-A-250/4) 0.125 THICK, (REF. DART SPEC. M2024T3S.125)
- 2) FINISH: ACID ETCH, ALODINE 1200 OR 1201 PER MIL-C-5541 AND/OR PRIME & PAINT PER AIRCRAFT MAINTENANCE MANUAL
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 6) IDENTIFY WITH DART P/N USING FINE POINT PERMANENT INK MARKER

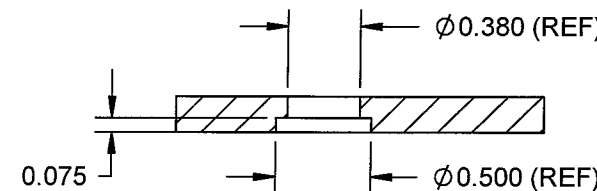
B	07.05.11	NO CHANGE
A	06.12.08	NEW ISSUE
DESIGN RF	DRAWN BY RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
CHECKED DS	APPROVED 	DRAWING NO. <b>D212-725-1</b>
DATE <b>07.05.11</b>	TITLE <b>212S DETAIL PARTS</b>	REV. B SHEET 1 OF 44 SCALE 1:4
COPYRIGHT © 2006 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.		



DIMENSIONS BETWEEN HOLES ARE PROVIDED FOR REFERENCE ONLY  
TRANSFER  $\phi 0.380$  HOLES FROM AIRCRAFT



**D212-725-1-003 PANEL (SHOWN)**  
**D212-725-1-004 OPPOSITE**

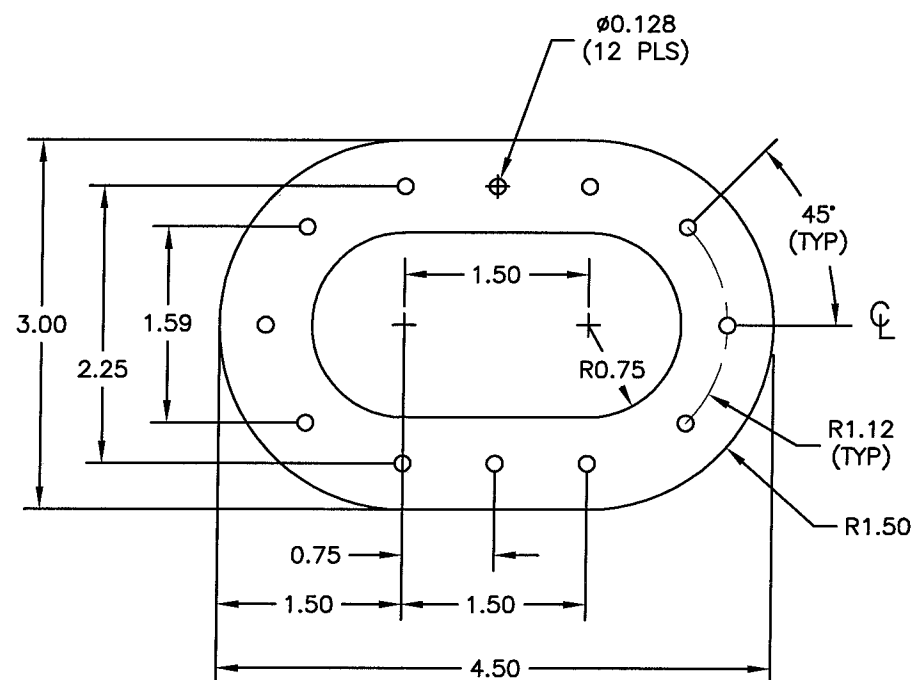


# **NOTES:**

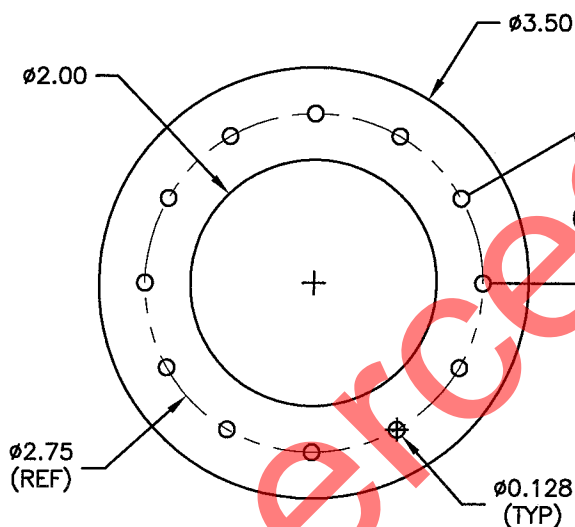
- 1) MATERIAL: 6061-T6 SHEET 0.188 THICK PER QQ-A-250/11 (REF. DART SPEC. M6061T6S0.188)
- 2) FINISH: ACID ETCH, ALODINE 1200 OR 1201 PER MIL-C-5541 AND/OR PRIME & PAINT PER AIRCRAFT MAINTENANCE MANUAL
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 6) IDENTIFY WITH DART P/N USING FINE POINT PERMANENT INK MARKER

B	07.05.11	NO CHANGE
A	06.12.08	NEW ISSUE
DESIGN RF	DRAWN BY RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
CHECKED DS	APPROVED 	DRAWING NO. <b>D212-725-1</b>
DATE <b>07.05.11</b>	TITLE <b>212S DETAIL PARTS</b>	REV. B SHEET 2 OF 44
SCALE 1:4		
COPYRIGHT © 2006 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.		

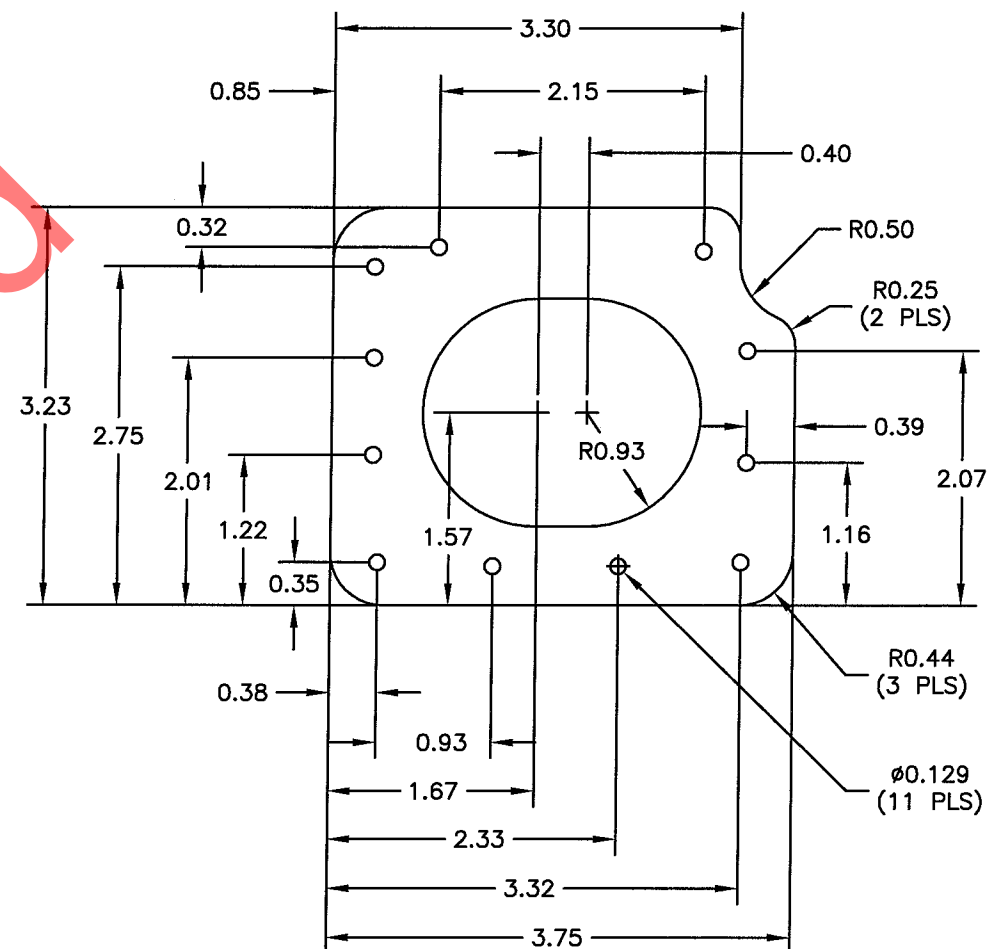




**D212-725-1-005 DOUBLER**



**D212-725-1-017A DOUBLER**

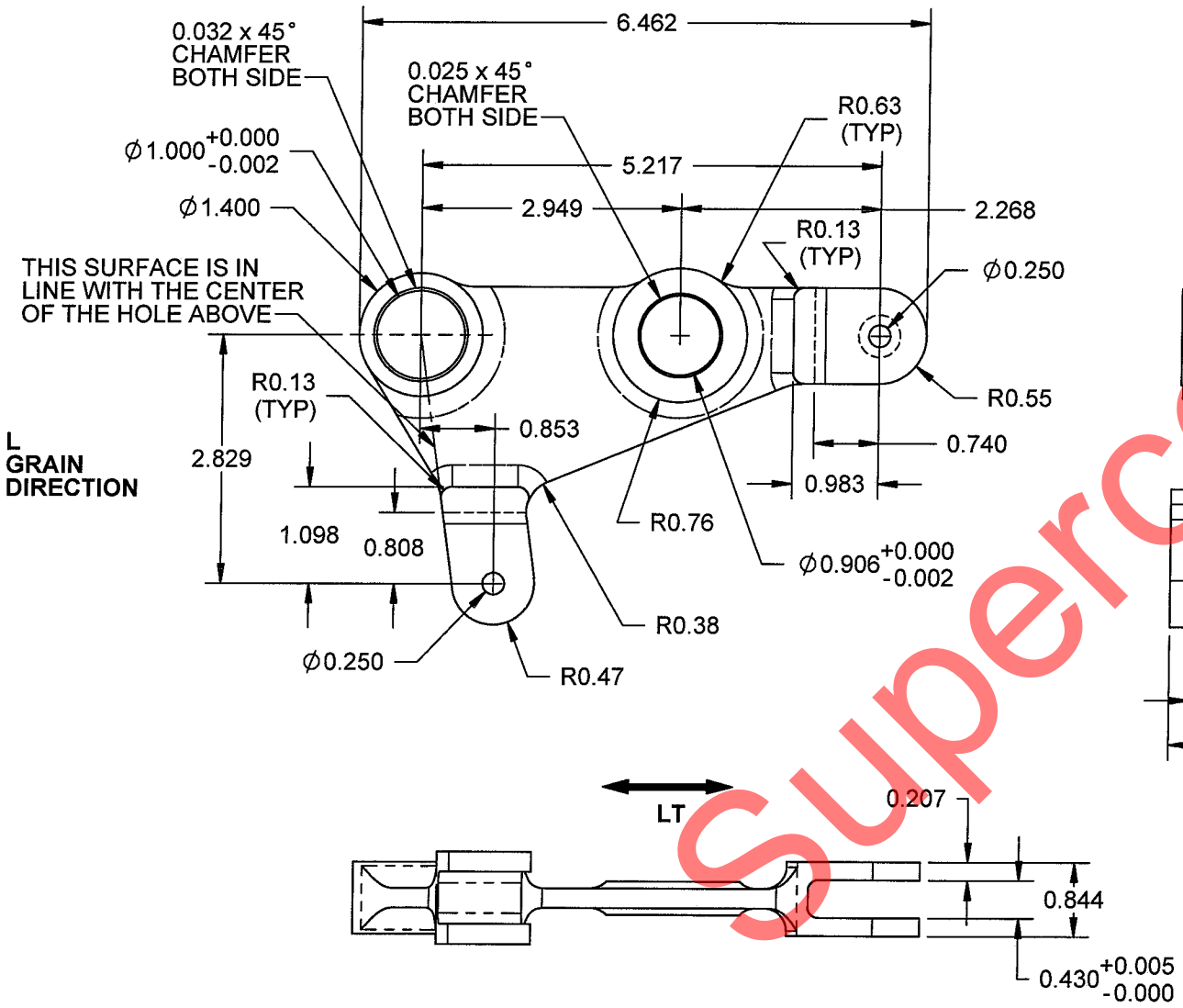
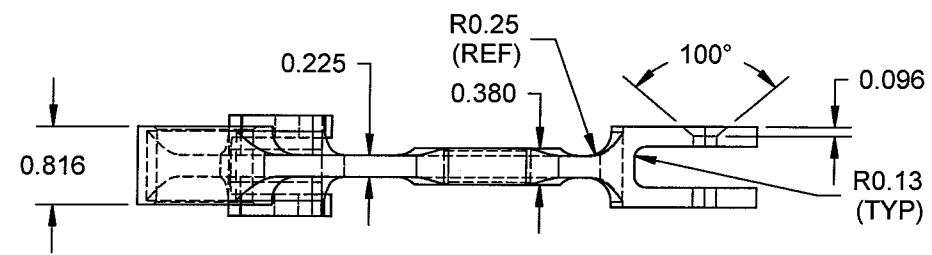


**D212-725-1-017B DOUBLER**

**D212-725-1-005/-017A/-017B NOTES:**

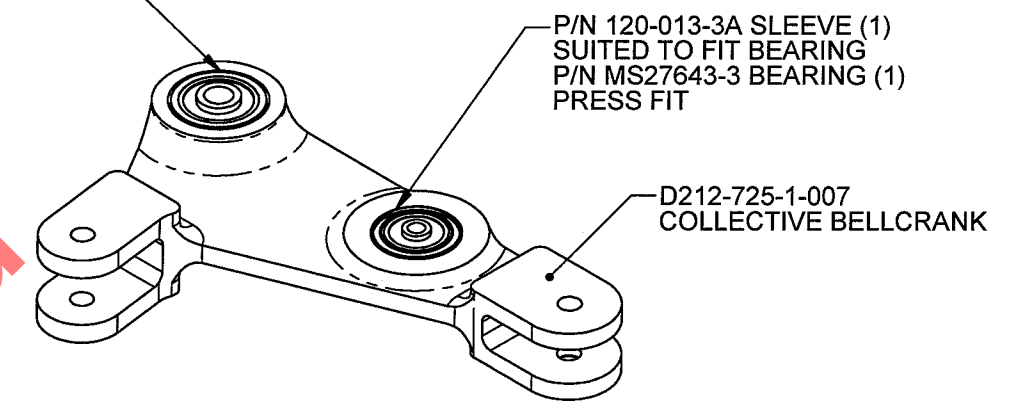
- 1) MATERIAL: 2024-T3 (QQ-A-250/4) 0.050 ALUMINUM SHEET (REF. DART SPEC. M2024T3S0.050)
- 2) FINISH: ACID ETCH, ALODINE 1200 OR 1201 PER MIL-C-5541 AND/OR PRIME & PAINT PER AIRCRAFT MAINTENANCE MANUAL
- 3) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) IDENTIFY WITH DART P/N USING FINE POINT PERMANENT INK MARKER

B	07.05.11	NO CHANGE
A	06.12.08	NEW ISSUE
DESIGN DS	DRAWN BY RF	<b>DART</b> DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHECKED DS	APPROVED 	DRAWING NO. D212-725-1
DATE 07.05.11		REV. B SHEET 3 OF 44 TITLE 212S DETAIL PARTS SCALE NTS




**D212-725-1-007 COLLECTIVE BELLCRANK**

P/N 120-015-5A SLEEVE (1)  
SUITED TO FIT BEARING  
P/N MS27647-5 BEARING (1)  
PRESS FIT

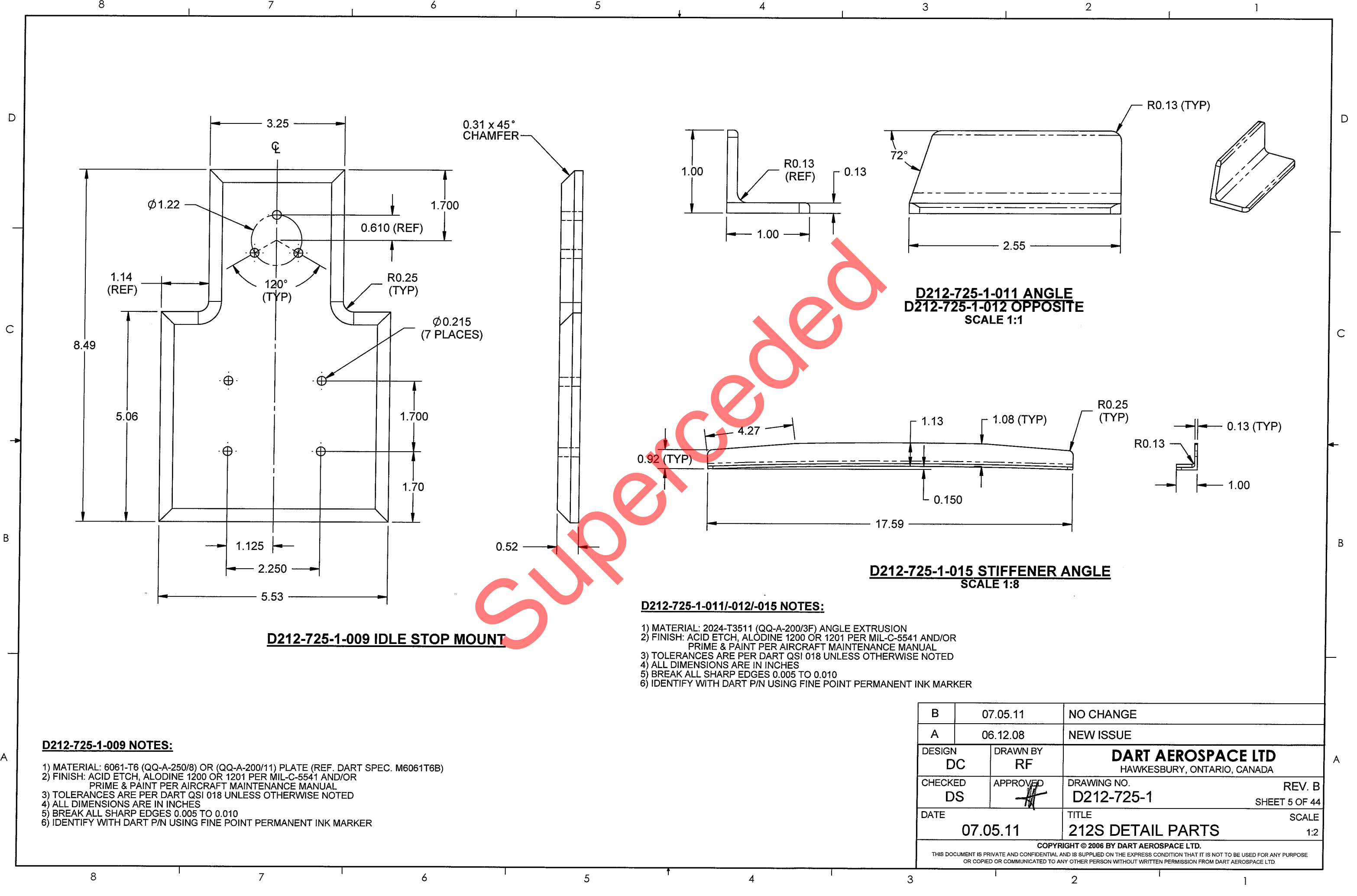


**D212-725-1-901 COLLECTIVE BELLCRANK ASS'Y**

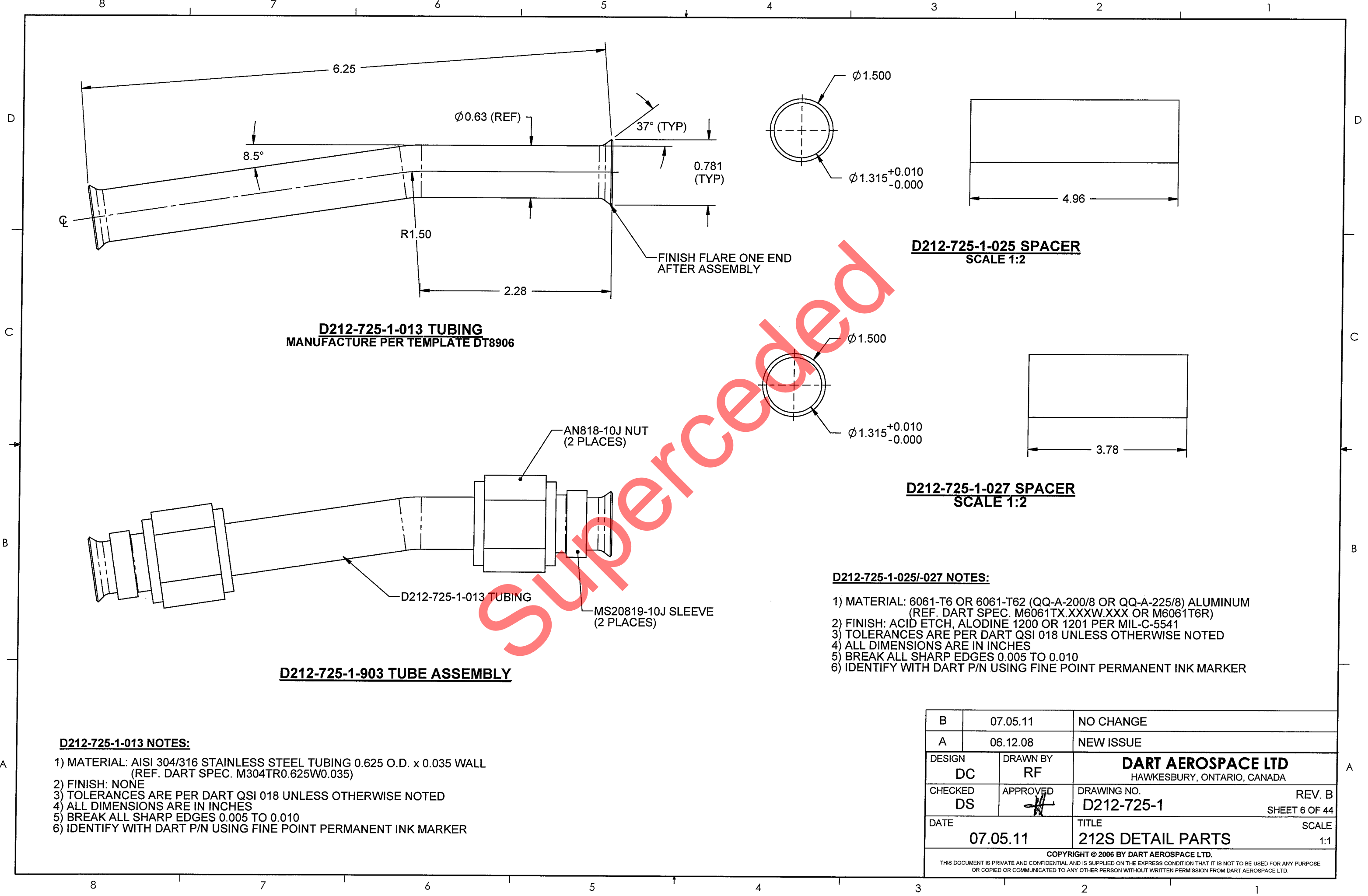
- NOTES:**
- 1) MATERIAL: ALUMINUM 7075-T7351 (QQ-A-250/12)
  - 2) FINISH: ACID ETCH, ALODINE 1200 OR 1201 PER MIL-C-5541 AND/OR PRIME & PAINT PER AIRCRAFT MAINTENANCE MANUAL
  - 3) LPI PER ASTM 1417 LEVEL 2
  - 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 5) ALL DIMENSIONS ARE IN INCHES
  - 6) BREAK ALL SHARP EDGES 0.005 TO 0.010
  - 7) IDENTIFY WITH DART P/N USING FINE POINT PERMANENT INK MARKER

B	07.05.11	UPDATE MATERIAL & GRAIN DIRECTION	
A	06.12.08	NEW ISSUE	
DESIGN DC	DRAWN BY RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED DS	APPROVED 	DRAWING NO. D212-725-1	REV. B SHEET 4 OF 44
DATE 07.05.11		TITLE 212S DETAIL PARTS	SCALE 1:2
COPYRIGHT © 2006 BY DART AEROSPACE LTD.			
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			





B	07.05.11	NO CHANGE
A	06.12.08	NEW ISSUE
DESIGN DC	DRAWN BY RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
CHECKED DS	APPROVED 	DRAWING NO. <b>D212-725-1</b>
DATE <b>07.05.11</b>	TITLE <b>212S DETAIL PARTS</b>	REV. B SHEET 5 OF 44 SCALE 1:2
COPYRIGHT © 2006 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.		



**D212-725-1-013 TUBING**  
MANUFACTURE PER TEMPLATE DT8906

**D212-725-1-025 SPACER**  
SCALE 1:2

**D212-725-1-027 SPACER**  
SCALE 1:2

**D212-725-1-903 TUBE ASSEMBLY**

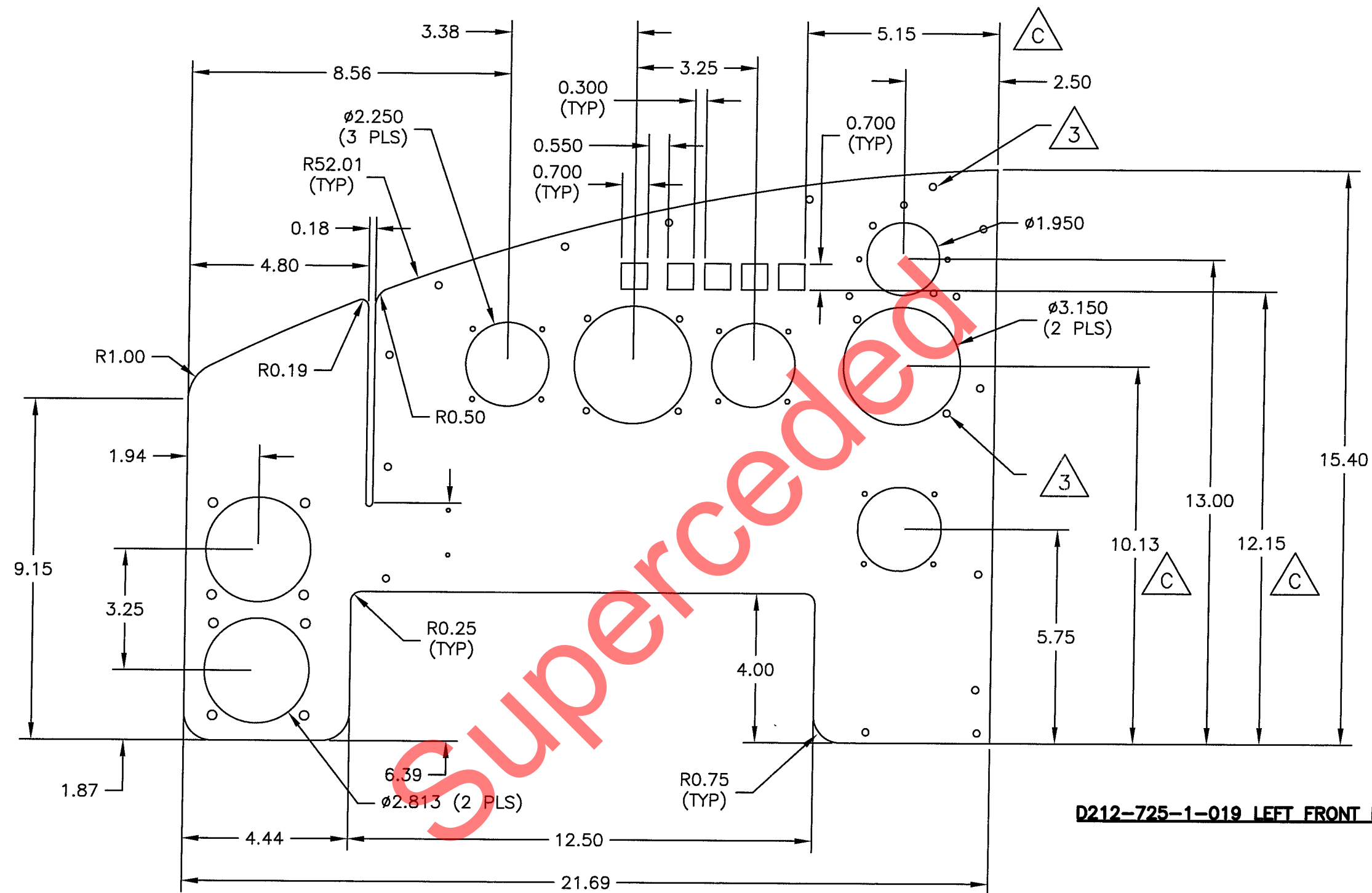
**D212-725-1-025/-027 NOTES:**

- 1) MATERIAL: 6061-T6 OR 6061-T62 (QQ-A-200/8 OR QQ-A-225/8) ALUMINUM (REF. DART SPEC. M6061TX.XXXW.XXX OR M6061T6R)
- 2) FINISH: ACID ETCH, ALODINE 1200 OR 1201 PER MIL-C-5541
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 6) IDENTIFY WITH DART P/N USING FINE POINT PERMANENT INK MARKER

**D212-725-1-013 NOTES:**

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL TUBING 0.625 O.D. x 0.035 WALL (REF. DART SPEC. M304TR0.625W0.035)
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 6) IDENTIFY WITH DART P/N USING FINE POINT PERMANENT INK MARKER

B	07.05.11	NO CHANGE
A	06.12.08	NEW ISSUE
DESIGN DC	DRAWN BY RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
CHECKED DS	APPROVED 	DRAWING NO. <b>D212-725-1</b>
DATE <b>07.05.11</b>	TITLE <b>212S DETAIL PARTS</b>	REV. B SHEET 6 OF 44 SCALE 1:1
COPYRIGHT © 2006 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.		





**D212-725-1-019 LEFT FRONT PANEL**

**NOTES:**

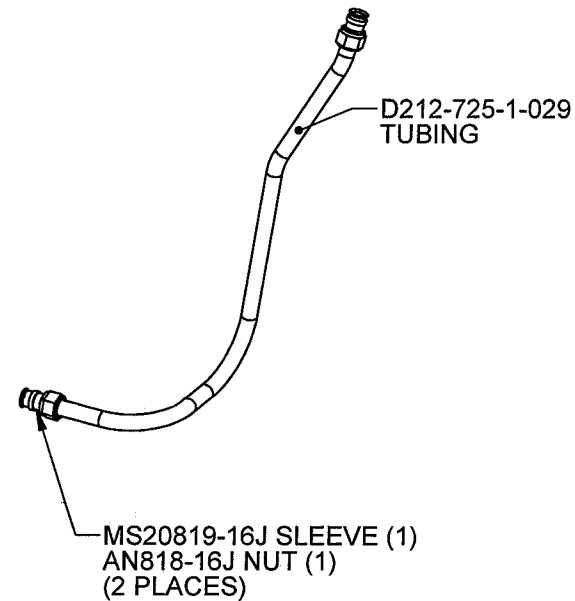
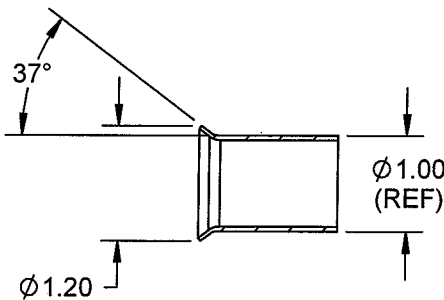
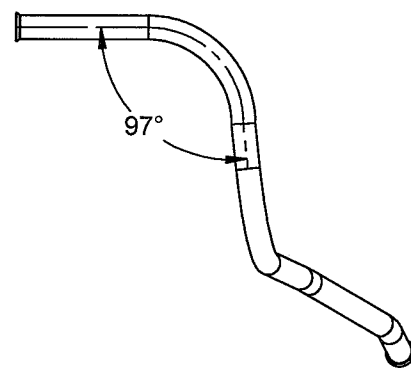
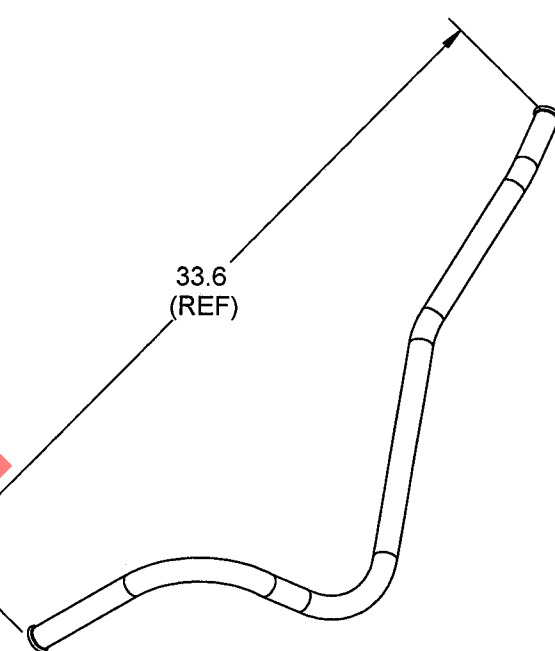
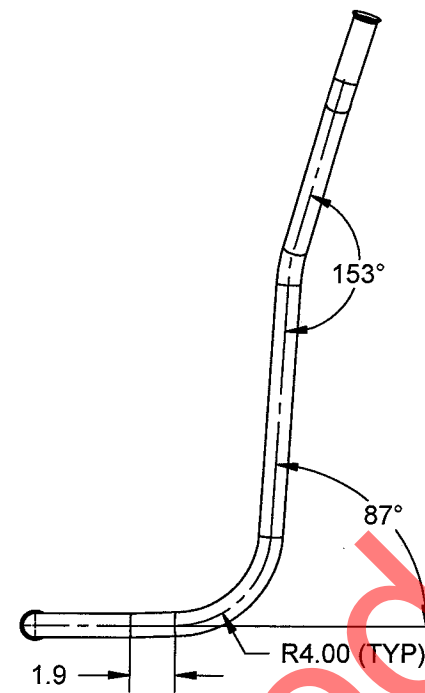
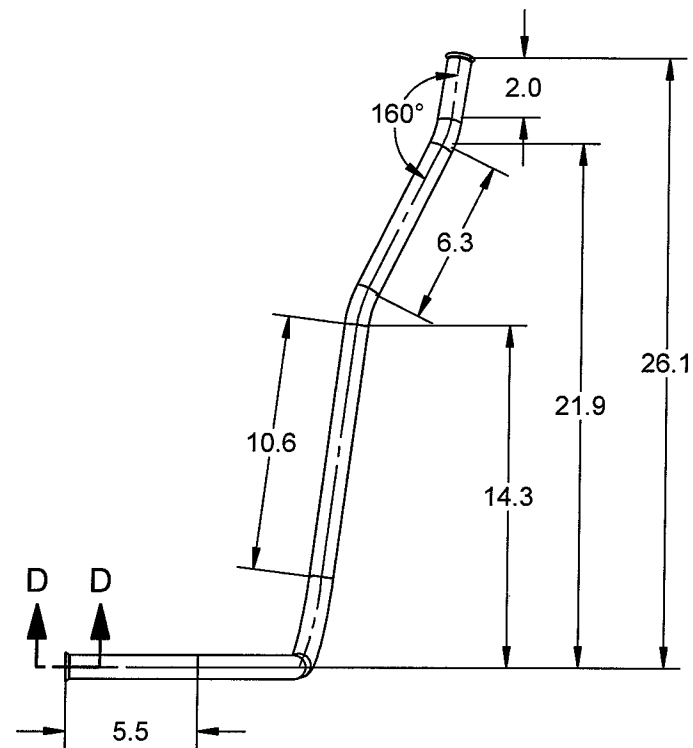
- 1) MATERIAL: 6061-T6 (QQ-A-250/11) OR 2024-T3 (QQ-A-250/4) SHEET 0.125 THICK  
(REF. DART SPEC. M6061T6S.125 OR M2024T3S.125)
- 2) FINISH: ACID ETCH, ALODINE 1200 OR 1201 PER MIL-C-5541 AND/OR  
PRIME & PAINT PER AIRCRAFT MAINTENANCE MANUAL
- 3) TRANSFER HOLES FROM INSTRUMENTS, STIFFENERS AND VENTS (TYPICAL)
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 7) IDENTIFY WITH DART P/N USING FINE POINT PERMANENT INK MARKER

DESIGN RD	DRAWN BY RF	<b>DART</b> DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	REV. C
CHECKED DS	APPROVED 	DRAWING NO. D212-725-1	SHEET 7 OF 49
DATE 07.12.04	TITLE 212S DETAIL PARTS	SCALE 1:3	

[illegible]

DESIGN RD	DRAWN BY RF	 <b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
CHECKED DS	APPROVED 	DRAWING NO. D212-725-1	REV. C SHEET 8 OF 49
DATE 07.12.04		TITLE 212S DETAIL PARTS	SCALE NTS





**D212-725-1-029 TUBING**  
MANUFACTURE PER TEMPLATE DT8907

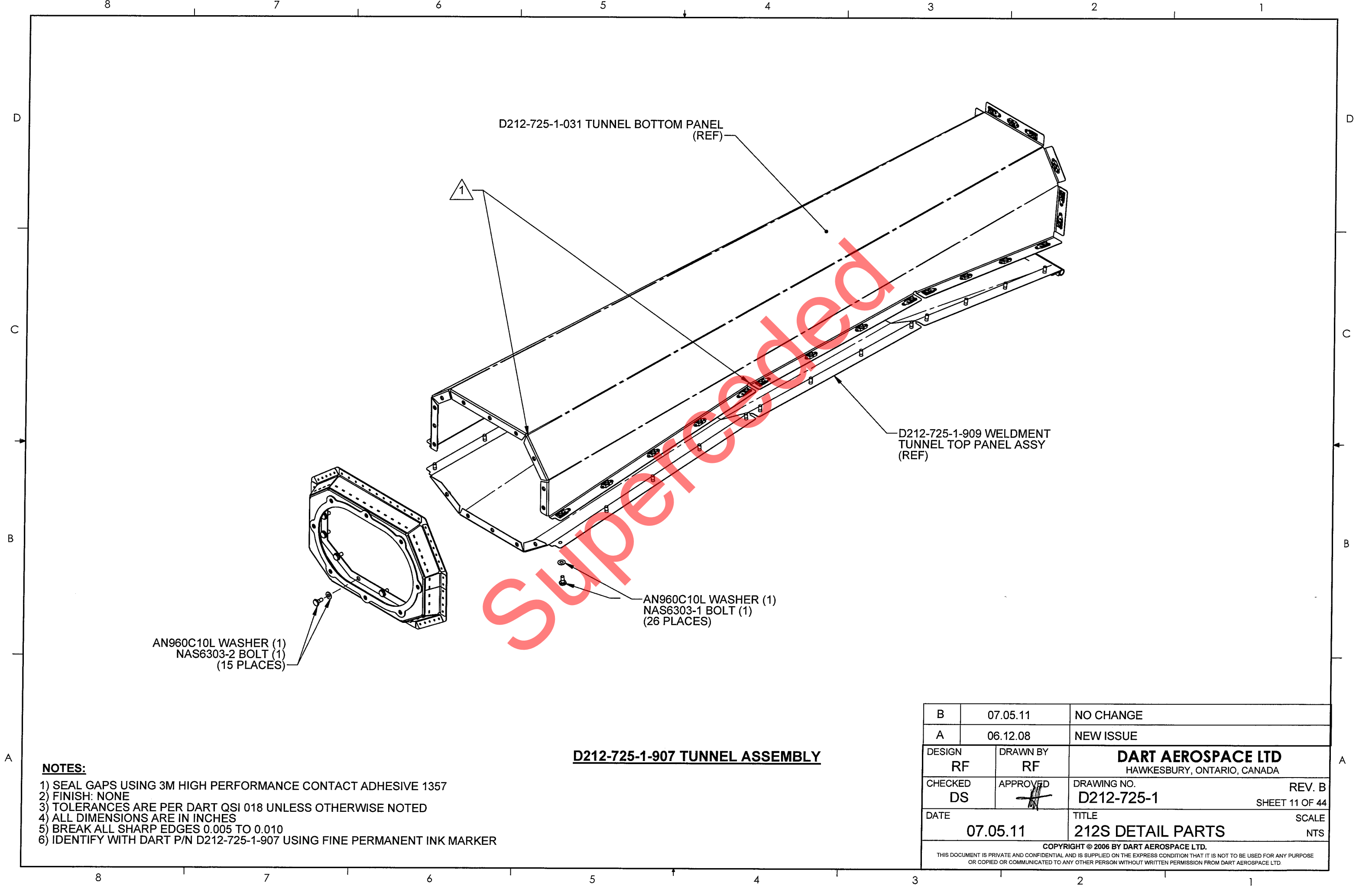
**D212-725-1-905 TUBE ASSEMBLY**

**NOTES:**

- 1) MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL 1.00 O.D. x 0.049 WALL  
(REF. DART SPEC. M304TR1.000W.049)
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 6) IDENTIFY ASSEMBLY WITH DART P/N USING FINE POINT PERMANENT INK MARKER

B	07.05.11	NO CHANGE
A	06.12.08	NEW ISSUE
DESIGN DC	DRAWN BY RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
CHECKED DS	APPROVED 	DRAWING NO. <b>D212-725-1</b> REV. B SHEET 10 OF 44
DATE <b>07.05.11</b>	TITLE <b>212S DETAIL PARTS</b>	SCALE 1:8
<small>COPYRIGHT © 2006 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>		





D212-725-1-031 TUNNEL BOTTOM PANEL (REF)


D212-725-1-909 WELDMENT TUNNEL TOP PANEL ASSY (REF)

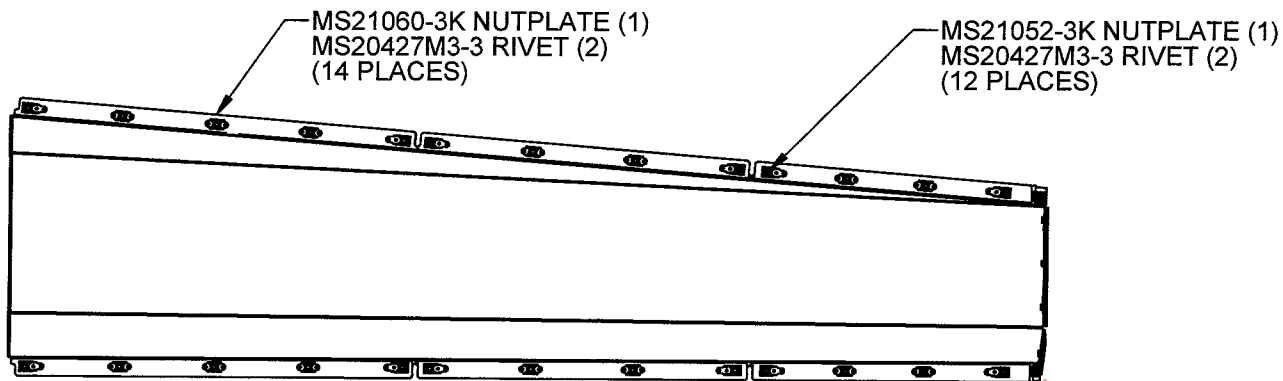
AN960C10L WASHER (1)  
NAS6303-1 BOLT (1)  
(26 PLACES)

AN960C10L WASHER (1)  
NAS6303-2 BOLT (1)  
(15 PLACES)

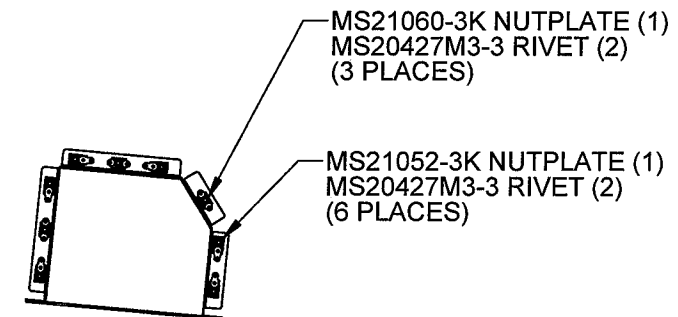
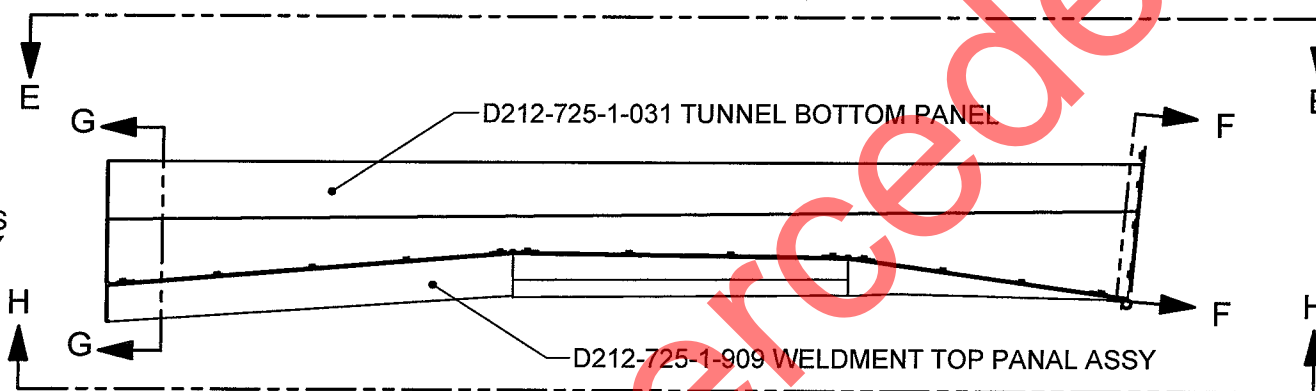
**D212-725-1-907 TUNNEL ASSEMBLY**

- NOTES:**
- 1) SEAL GAPS USING 3M HIGH PERFORMANCE CONTACT ADHESIVE 1357
  - 2) FINISH: NONE
  - 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) ALL DIMENSIONS ARE IN INCHES
  - 5) BREAK ALL SHARP EDGES 0.005 TO 0.010
  - 6) IDENTIFY WITH DART P/N D212-725-1-907 USING FINE PERMANENT INK MARKER

B	07.05.11	NO CHANGE	
A	06.12.08	NEW ISSUE	
DESIGN RF	DRAWN BY RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
CHECKED DS	APPROVED 	DRAWING NO. <b>D212-725-1</b>	REV. B SHEET 11 OF 44
DATE <b>07.05.11</b>		TITLE <b>212S DETAIL PARTS</b> SCALE NTS	
COPYRIGHT © 2006 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD			



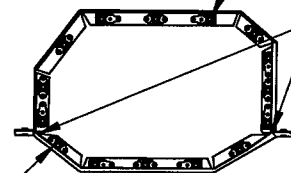
SECTION E-E



SECTION F-F

MS21052-3K NUTPLATE (1)  
MS20427M3-3 RIVET (2)  
(7 PLACES)

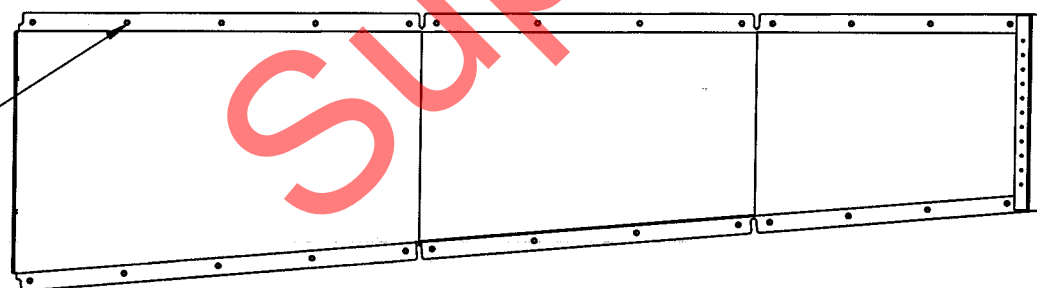
2  
SEAL GAPS  
INSIDE TO  
CLOSE ANY GAPS  
AFTER ASSEMBLY



MS21060-3K NUTPLATE (1)  
MS20427M3-3 RIVET (2)  
(8 PLACES)

SECTION G-G

TRANSFER  $\varnothing 0.196$  HOLES FROM  
D212-725-1-909 TO D212-725-1-031  
(26 PLACES)



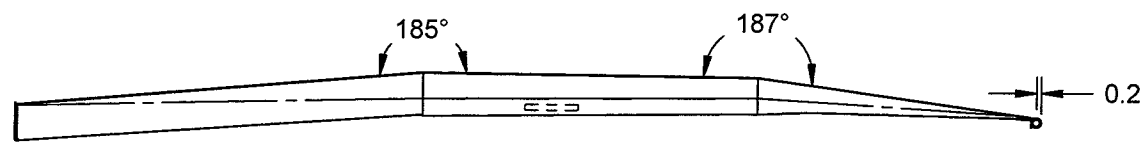
SECTION H-H

**D212-725-1-907 (REF)**

**NOTES:**

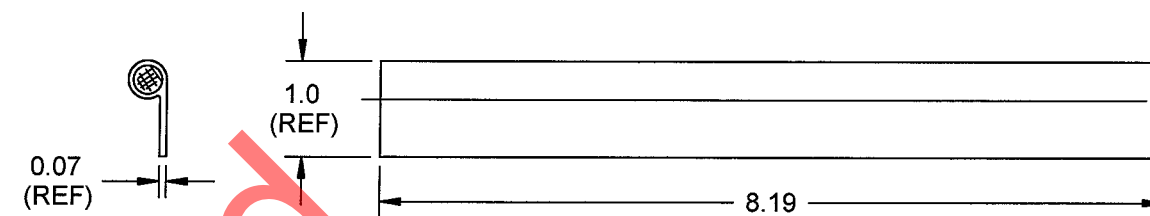
- 1) WELD PER DART QSI 004
- 2) SEAL GAPS USING 3M HIGH PERFORMANCE CONTACT ADHESIVE 1357
- 3) FINISH: NONE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010

B	07.05.11	NO CHANGE
A	06.12.08	NEW ISSUE
DESIGN RF	DRAWN BY RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
CHECKED DS	APPROVED 	DRAWING NO. <b>D212-725-1</b> REV. B SHEET 12 OF 44
DATE <b>07.05.11</b>	TITLE <b>212S DETAIL PARTS</b>	SCALE 1:8
COPYRIGHT © 2006 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.		

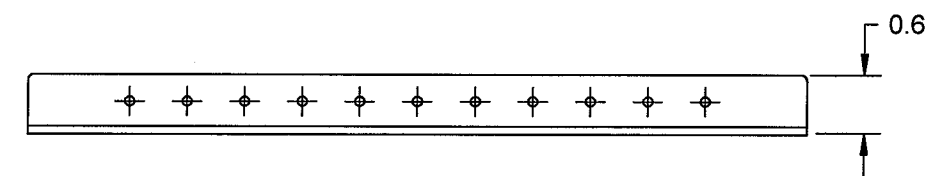


**D212-725-1-067:**

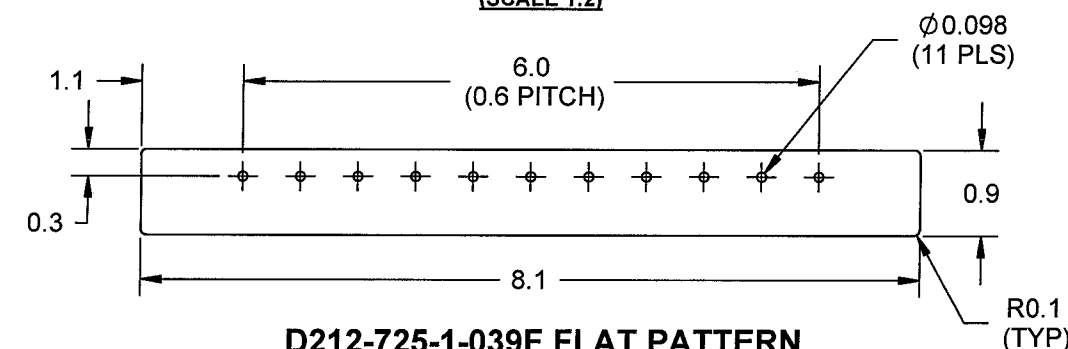
- 1) MATERIAL: P/N 41521X120HK-FT TADPOLE SEAL (REF. BELL P/N 120-104-1)  
POSSIBLE SUPPLIER: KIRKILL-TA
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES



**D212-725-1-067 SEAL**  
(SCALE 1:2)



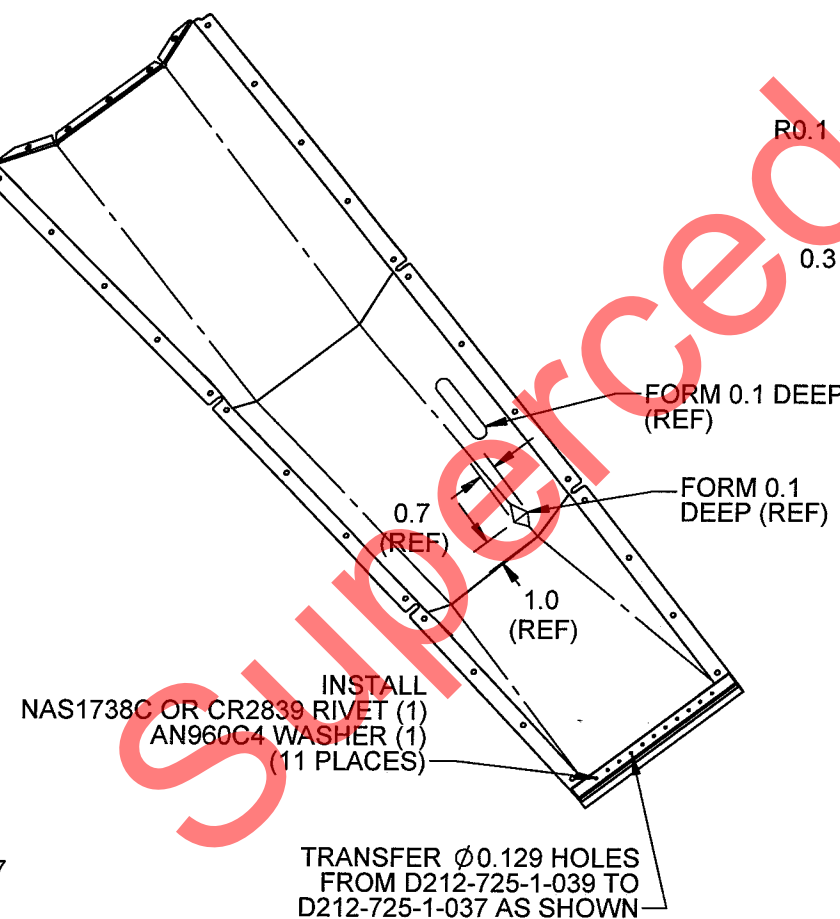
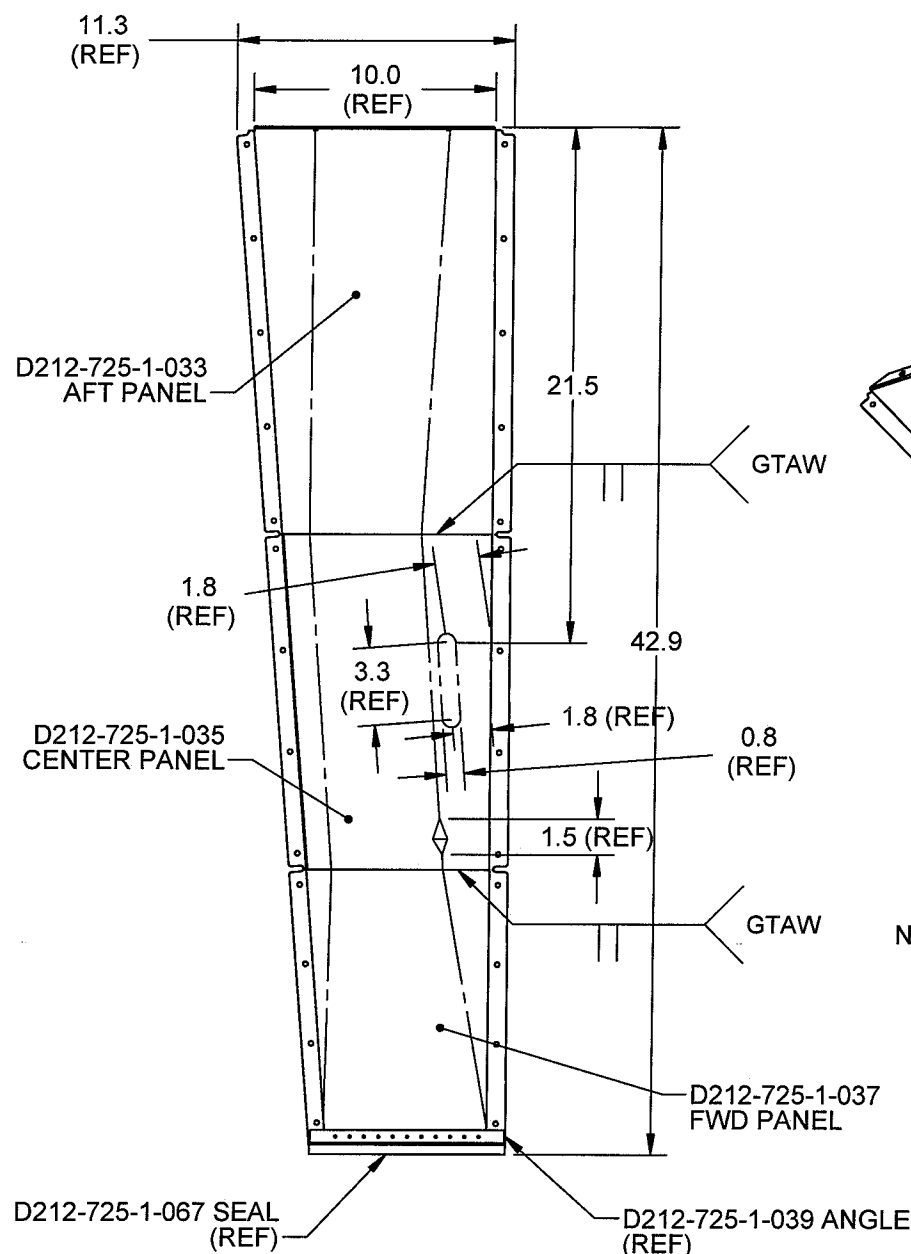
**D212-725-1-039 ANGLE**  
(MAKE FROM D212-725-1-039F FLAT PATTERN)  
(SCALE 1:2)



**D212-725-1-039F FLAT PATTERN**  
(SCALE 1:2)

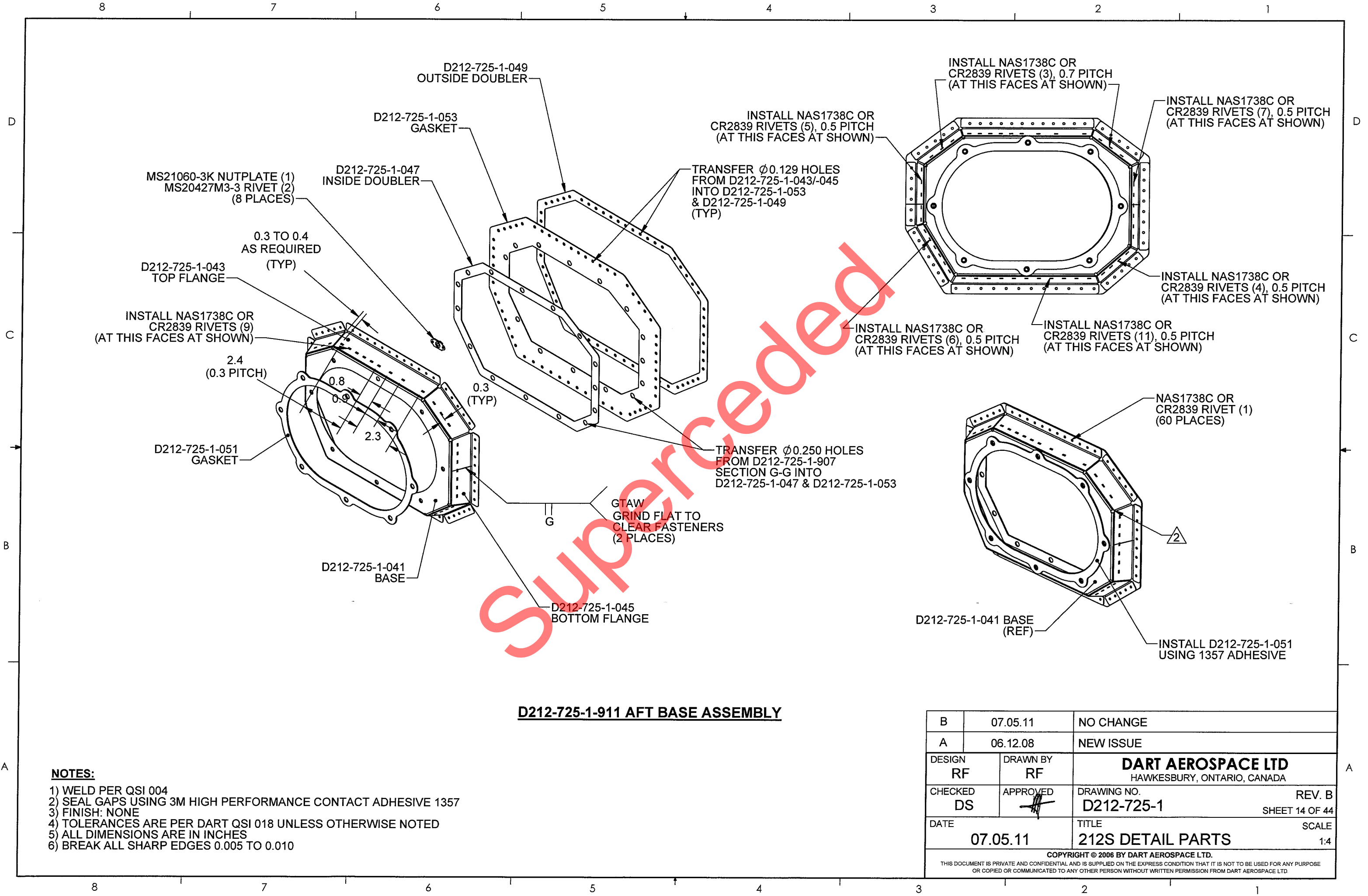
**D212-725-1-039 NOTES:**

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL 0.020 (25 GAUGE) SHEET, PER MIL-S-5019  
(REF. DART SPEC.M304S25GA)
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010



**D212-725-1-909 WELDMENT TOP PANEL ASSY**  
(WELD PER DART QSI 004)

B	07.05.11	NO CHANGE
A	06.12.08	NEW ISSUE
DESIGN RF	DRAWN BY RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
CHECKED DS	APPROVED 	DRAWING NO. <b>D212-725-1</b>
DATE <b>07.05.11</b>	TITLE <b>212S DETAIL PARTS</b>	REV. B SHEET 13 OF 44 SCALE 1:8
COPYRIGHT © 2006 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.		

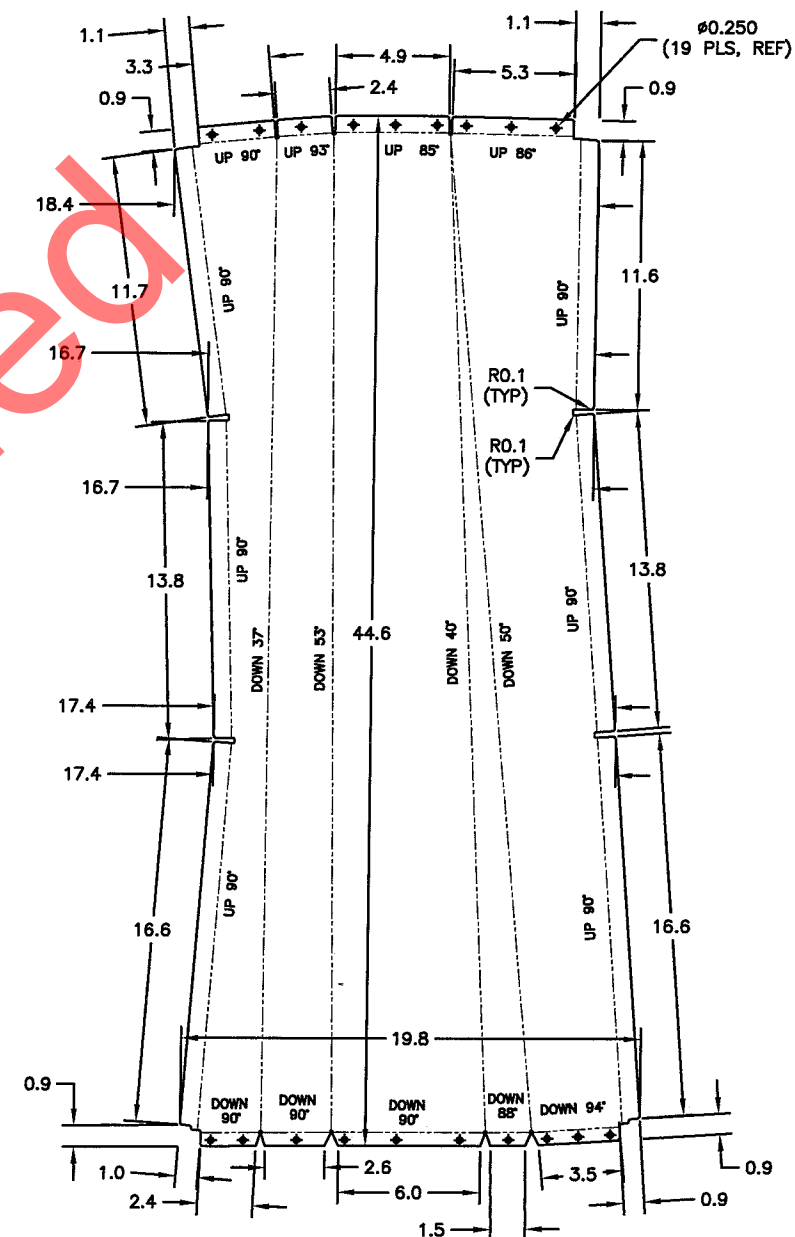
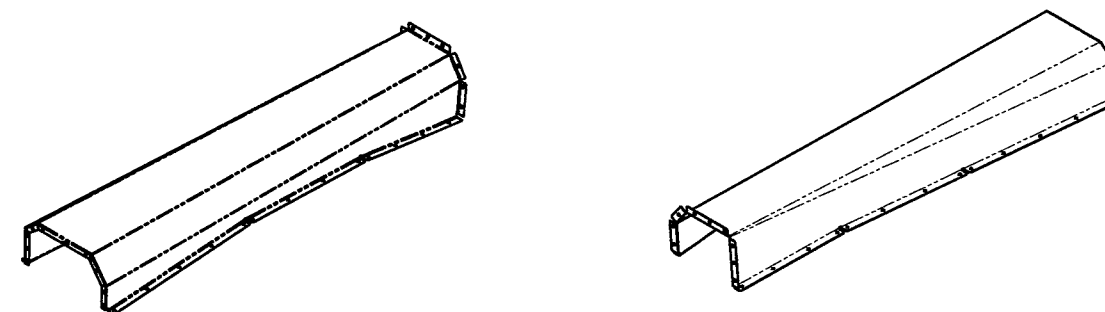
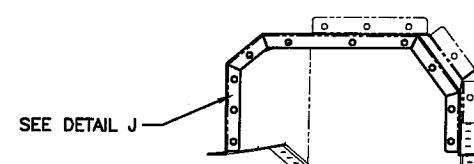
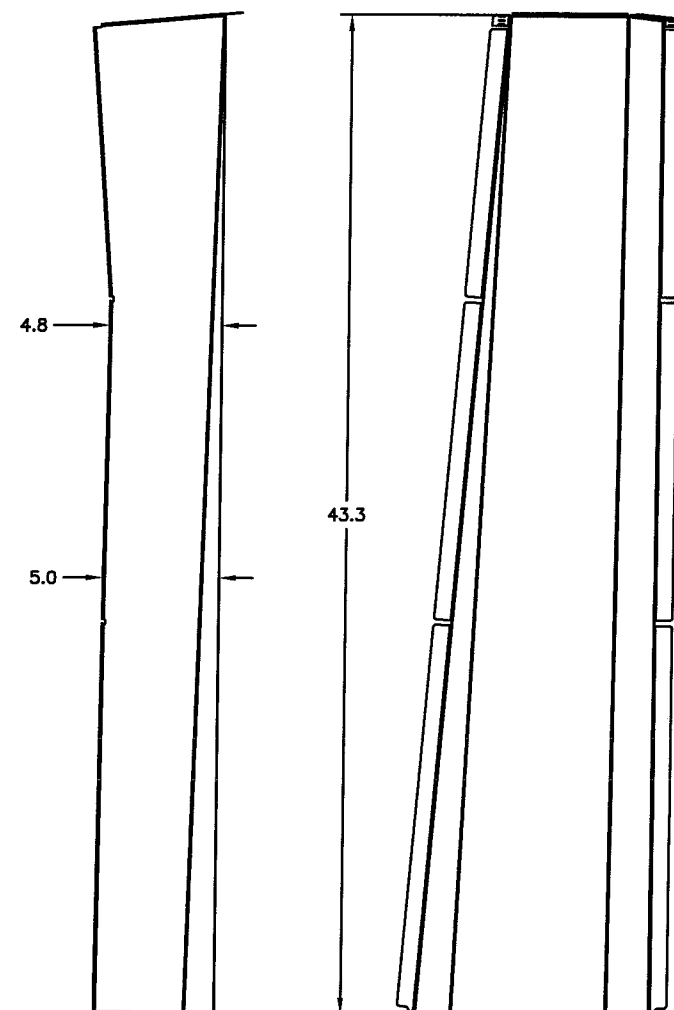
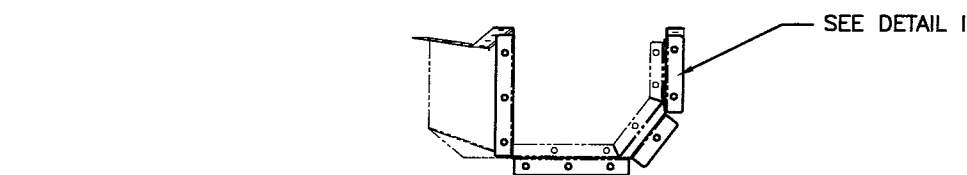


**D212-725-1-911 AFT BASE ASSEMBLY**

**NOTES:**

- 1) WELD PER QSI 004
- 2) SEAL GAPS USING 3M HIGH PERFORMANCE CONTACT ADHESIVE 1357
- 3) FINISH: NONE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010

B	07.05.11	NO CHANGE
A	06.12.08	NEW ISSUE
DESIGN RF	DRAWN BY RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
CHECKED DS	APPROVED 	DRAWING NO. <b>D212-725-1</b>
DATE <b>07.05.11</b>	TITLE <b>212S DETAIL PARTS</b>	REV. B SHEET 14 OF 44 SCALE 1:4
COPYRIGHT © 2006 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD		



**D212-725-1-031F**  
**FLAT PATTERN**

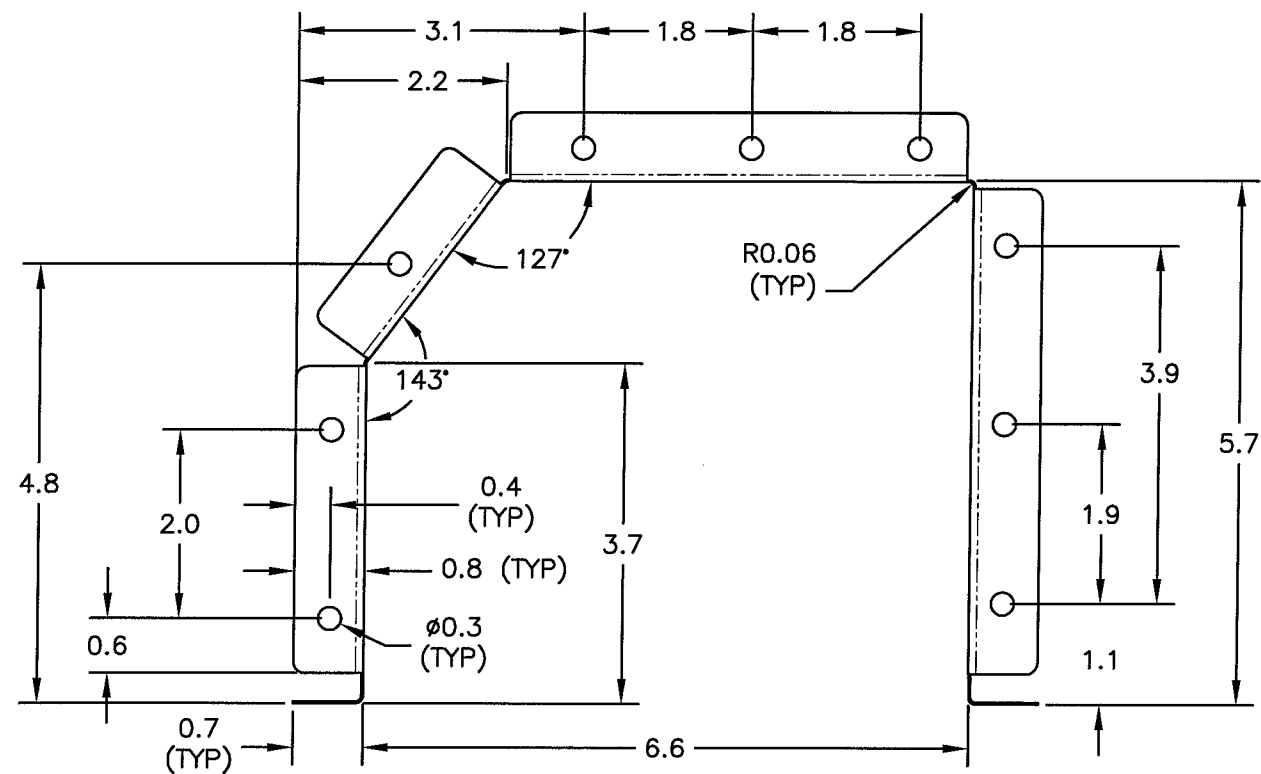
**NOTES:**

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL 0.020 (25 GAUGE) SHEET, PER MIL-S-5019 (REF. DART SPEC. M304S25GA)
- 2) FINISH: NONE
- 3) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) MACHINE FLAT PATTERN PER DRAWING "D212-725-1.A15"

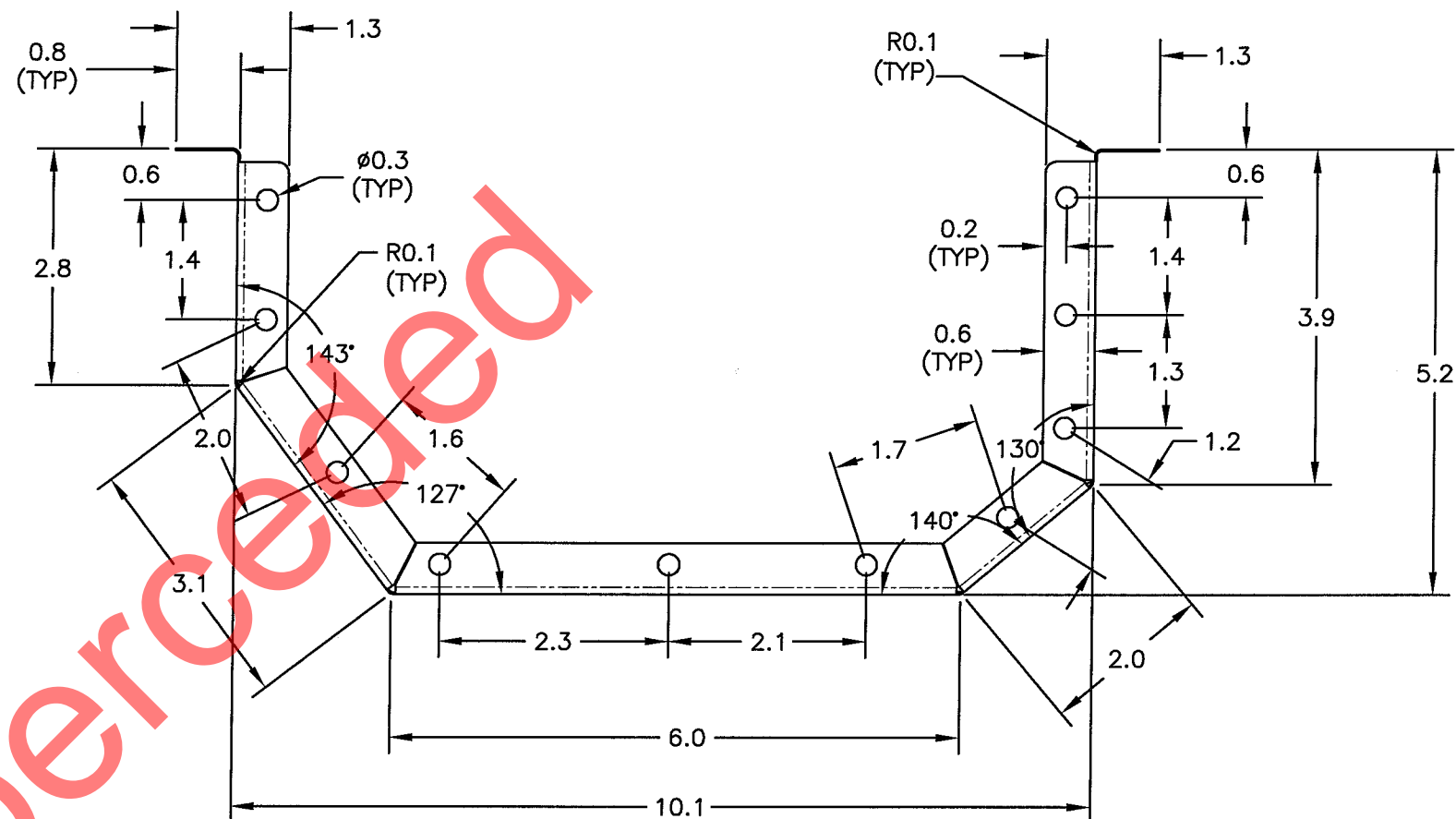
**D212-725-1-031 TUNNEL BOTTOM PANEL**

B	07.05.11	NO CHANGE
A	06.12.08	NEW ISSUE
DESIGN RF	DRAWN BY RF	<b>DART</b> DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHECKED DS	APPROVED 	DRAWING NO. D212-725-1
DATE 07.05.11	TITLE 212S DETAIL PARTS	REV. B SHEET 15 OF 44 SCALE 1:8






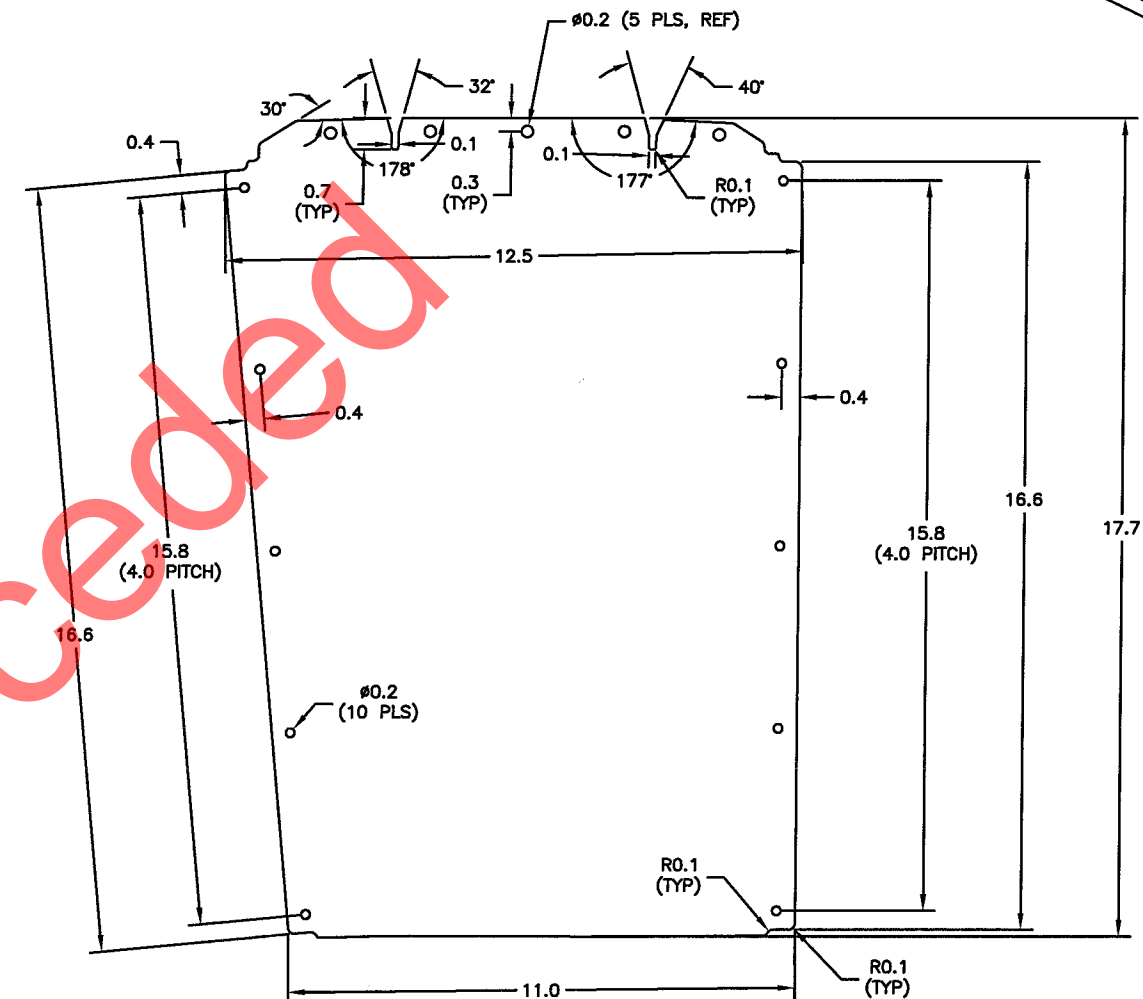
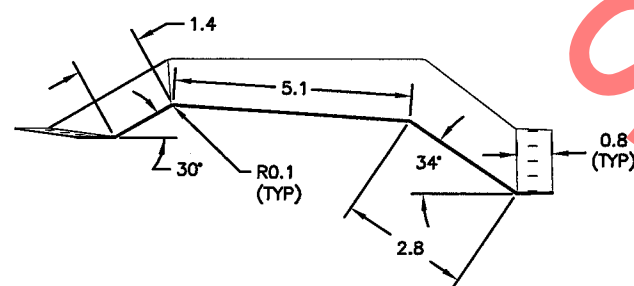
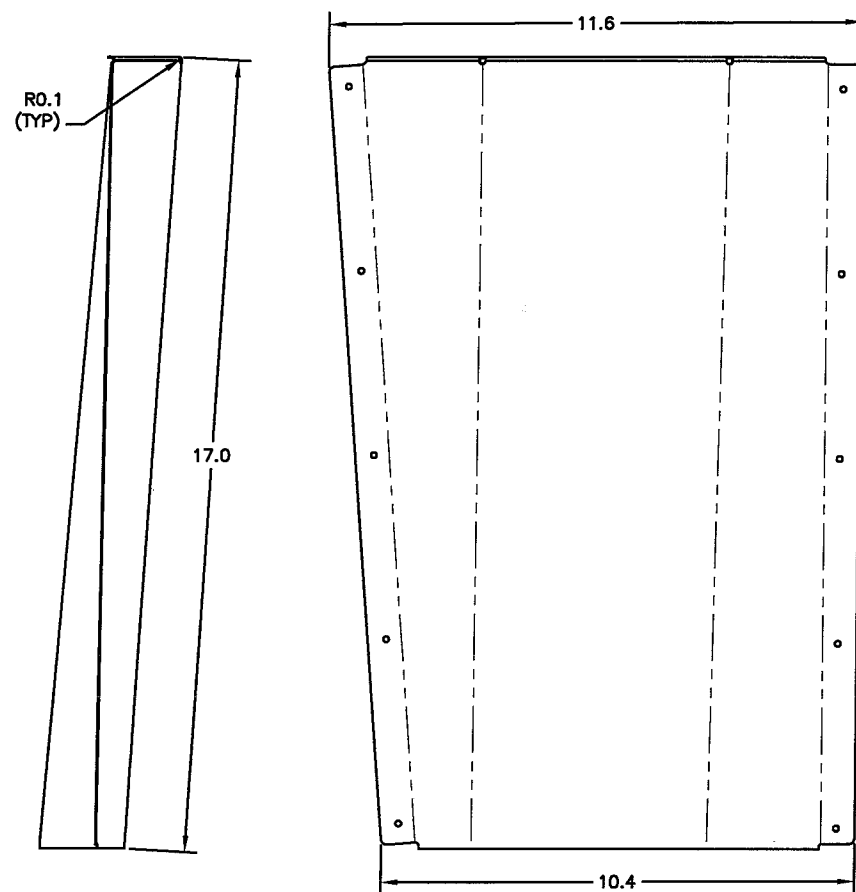
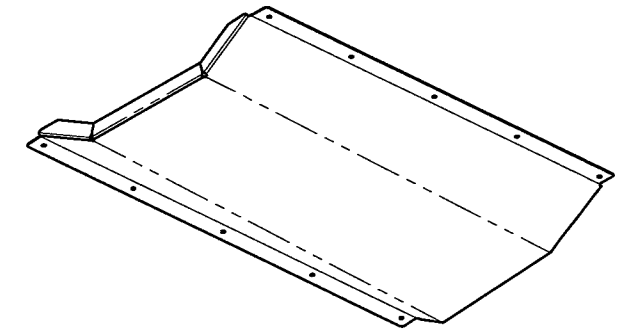
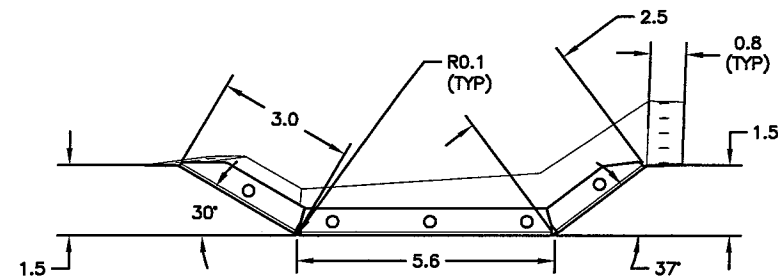
**D212-725-1-031**  
**DETAIL J**



**D212-725-1-031**  
**DETAIL J**

B	07.05.11	NO CHANGE
A	06.12.08	NEW ISSUE
DESIGN RF	DRAWN BY RF	<b>DART</b> DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHECKED DS	APPROVED 	DRAWING NO. D212-725-1
DATE 07.05.11		TITLE 212S DETAIL PARTS
		REV. B SHEET 16 OF 44 SCALE 1:2





**D212-725-1-033F FLAT PATTERN**

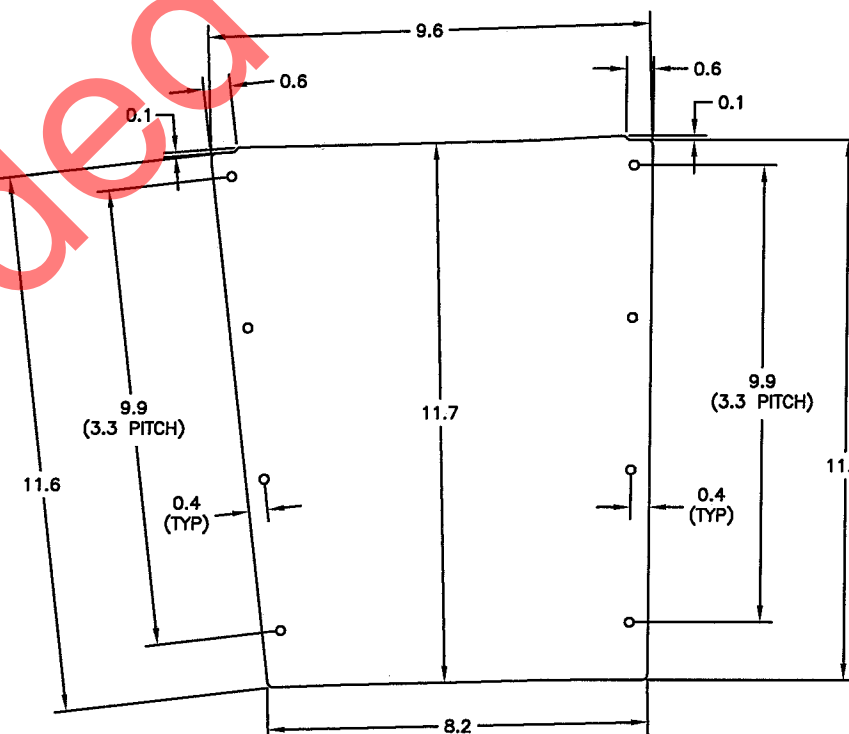
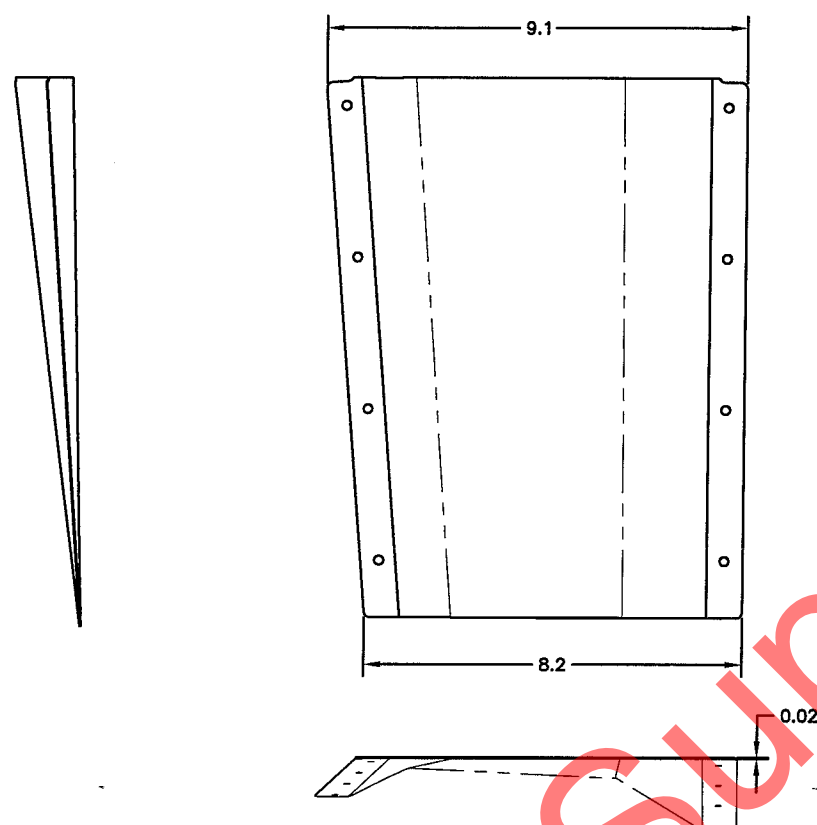
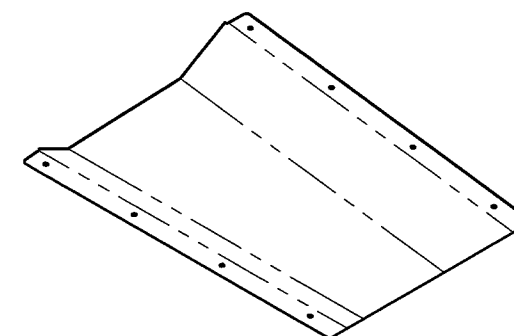
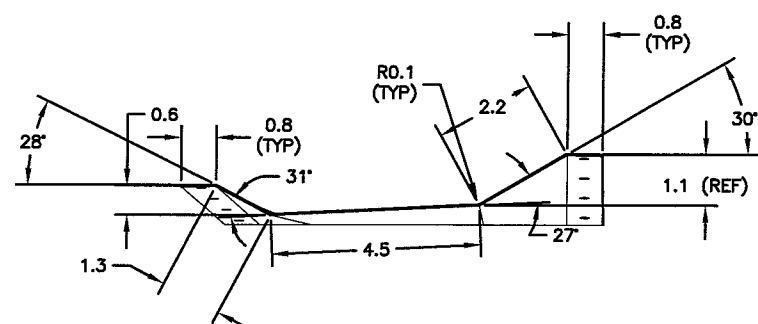
**D212-725-1-033 AFT TOP TUNNEL PANEL**  
(MAKE FROM D212-725-1-033F FLAT PATTERN)

**NOTES:**

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL 0.020 (25 GAUGE) SHEET, PER MIL-S-5019 (REF. DART SPEC. M304S25GA)
- 2) FINISH: NONE
- 3) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) MACHINE PER DRAWING "D212-725-1-A17.DWG"

B	07.05.11	NO CHANGE
A	06.12.08	NEW ISSUE
DESIGN RF	DRAWN BY RF	<b>DART</b> DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHECKED DS	APPROVED 	DRAWING NO. D212-725-1
DATE 07.05.11		REV. B SHEET 17 OF 44
		TITLE 212S DETAIL PARTS
		SCALE 1:4





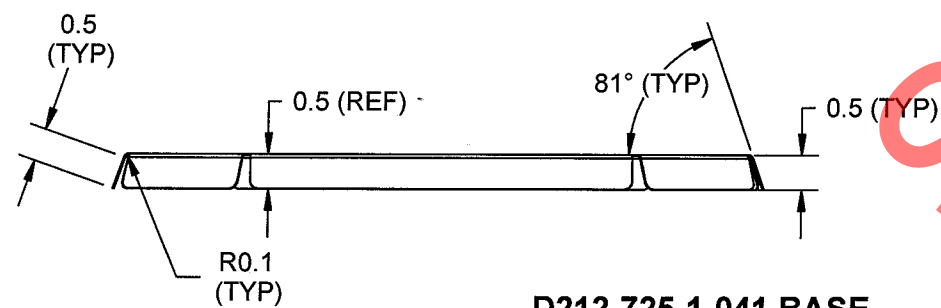
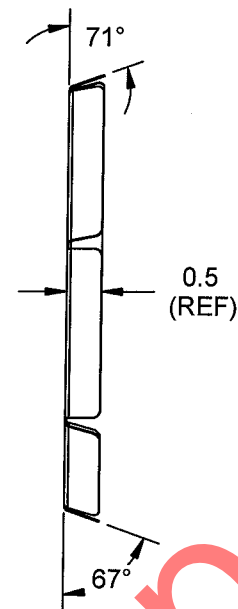
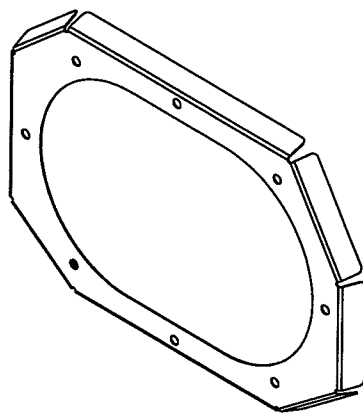
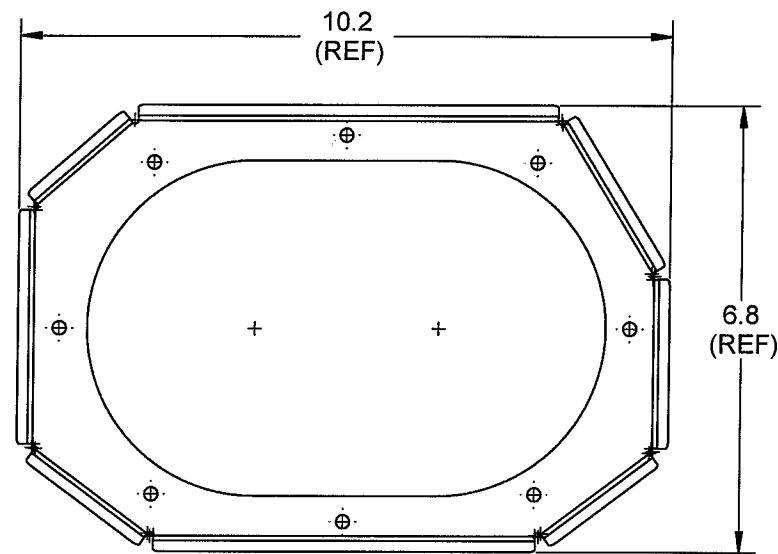
**D212-725-1-037 FWD TOP TUNNEL PANEL**  
(MAKE FROM D212-725-1-037F FLAT PATTERN)

**D212-725-1-037F FLAT PATTERN**

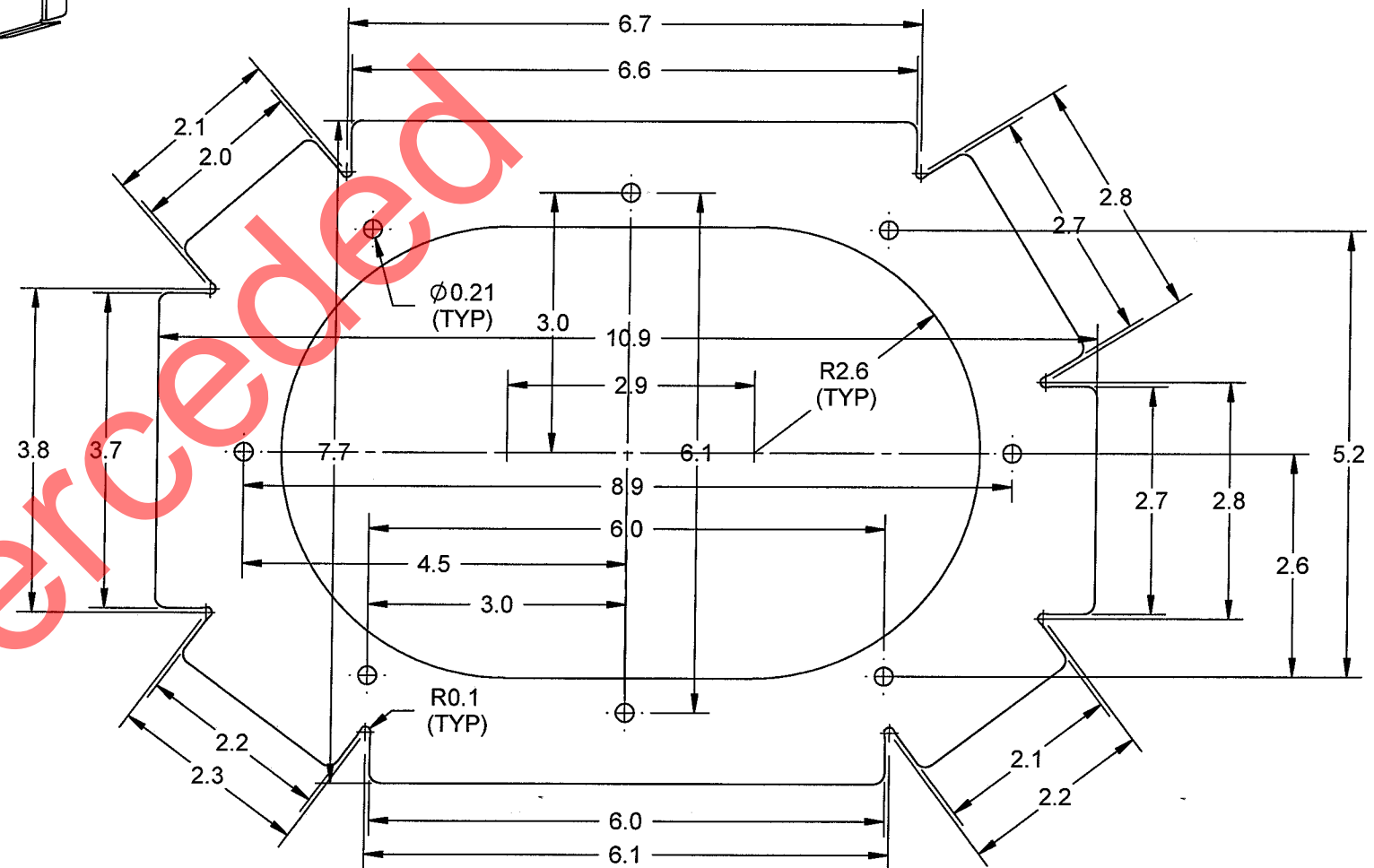
**NOTES:**

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL 0.020 (25 GAUGE) SHEET, PER MIL-S-5019 (REF. DART SPEC. M304S25GA)
- 2) FINISH: NONE
- 3) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) MACHINE PER DRAWING "D212-725-1-A19"

B	07.05.11	NO CHANGE
A	06.12.08	NEW ISSUE
DESIGN RF	DRAWN BY RF	<b>DART</b> DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHECKED DS	APPROVED 	DRAWING NO. D212-725-1
DATE 07.05.11	TITLE 212S DETAIL PARTS	REV. B SHEET 19 OF 44 SCALE 1:4



**D212-725-1-041 BASE**  
(MAKE FROM D212-725-1-041F FLAT PATTERN)  
SCALE 1:6

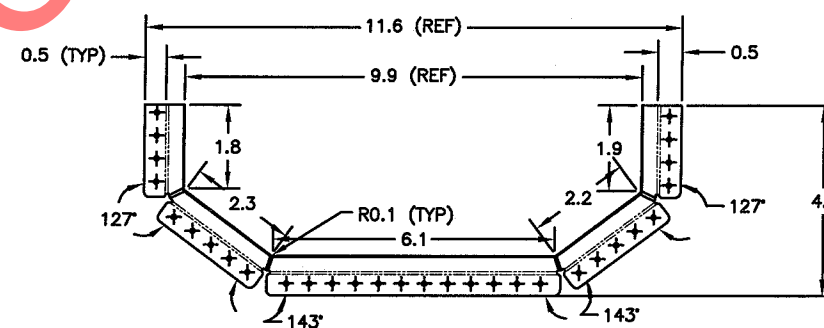
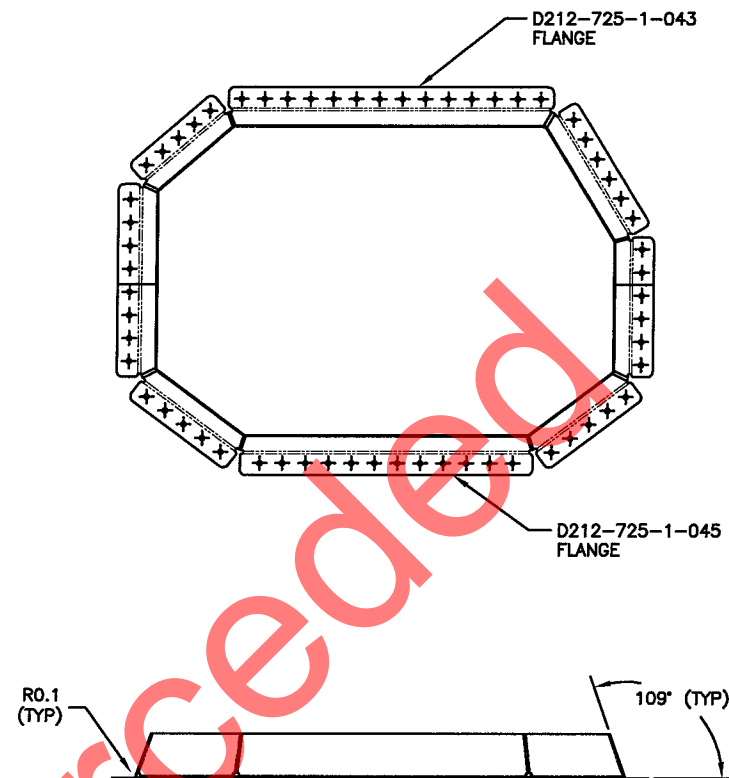
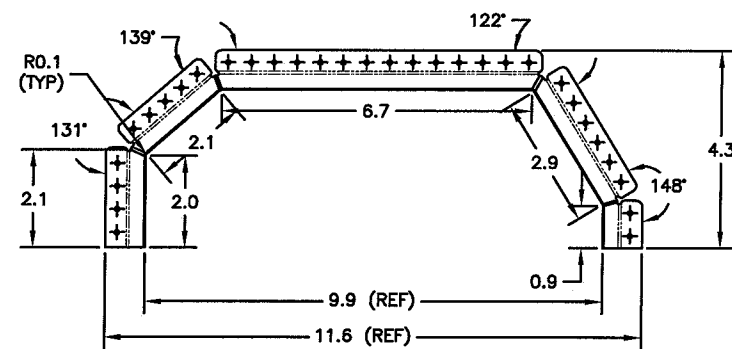
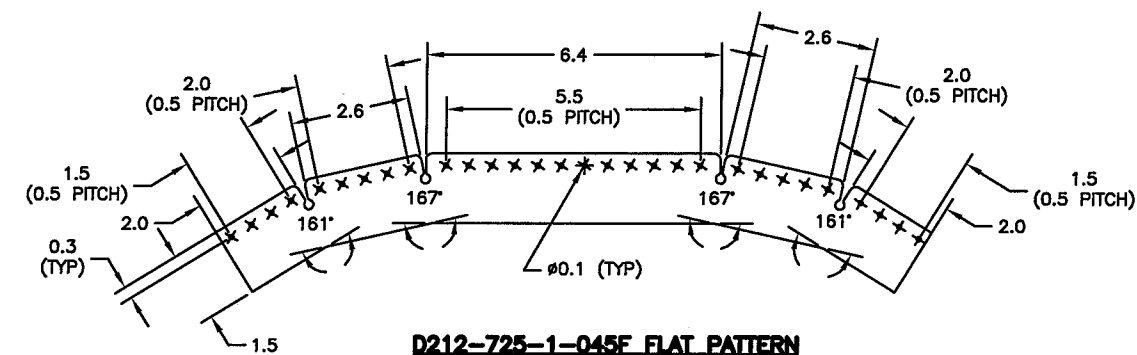
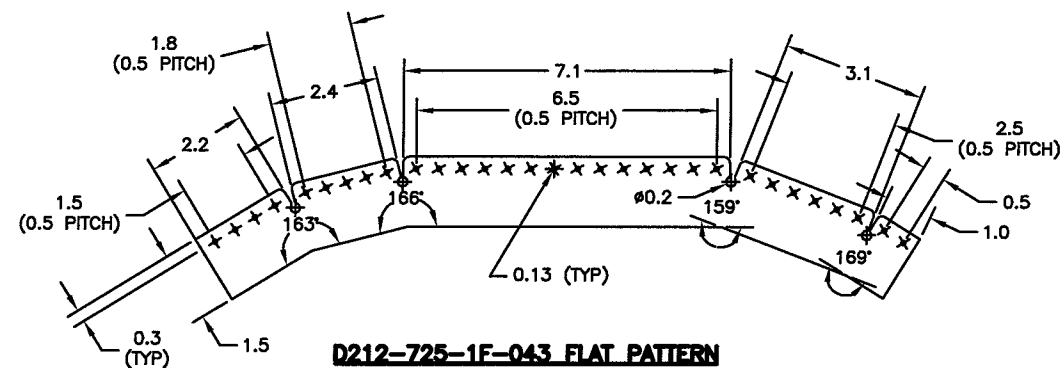


**D212-725-1-041F FLAT PATTERN**

**NOTES:**

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL 0.020 (25 GAUGE) SHEET, PER MIL-S-2019 (REF. DART SPEC. M304S25GA)
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 6) MACHINE PER DRAWING "D212-725-1-A20"

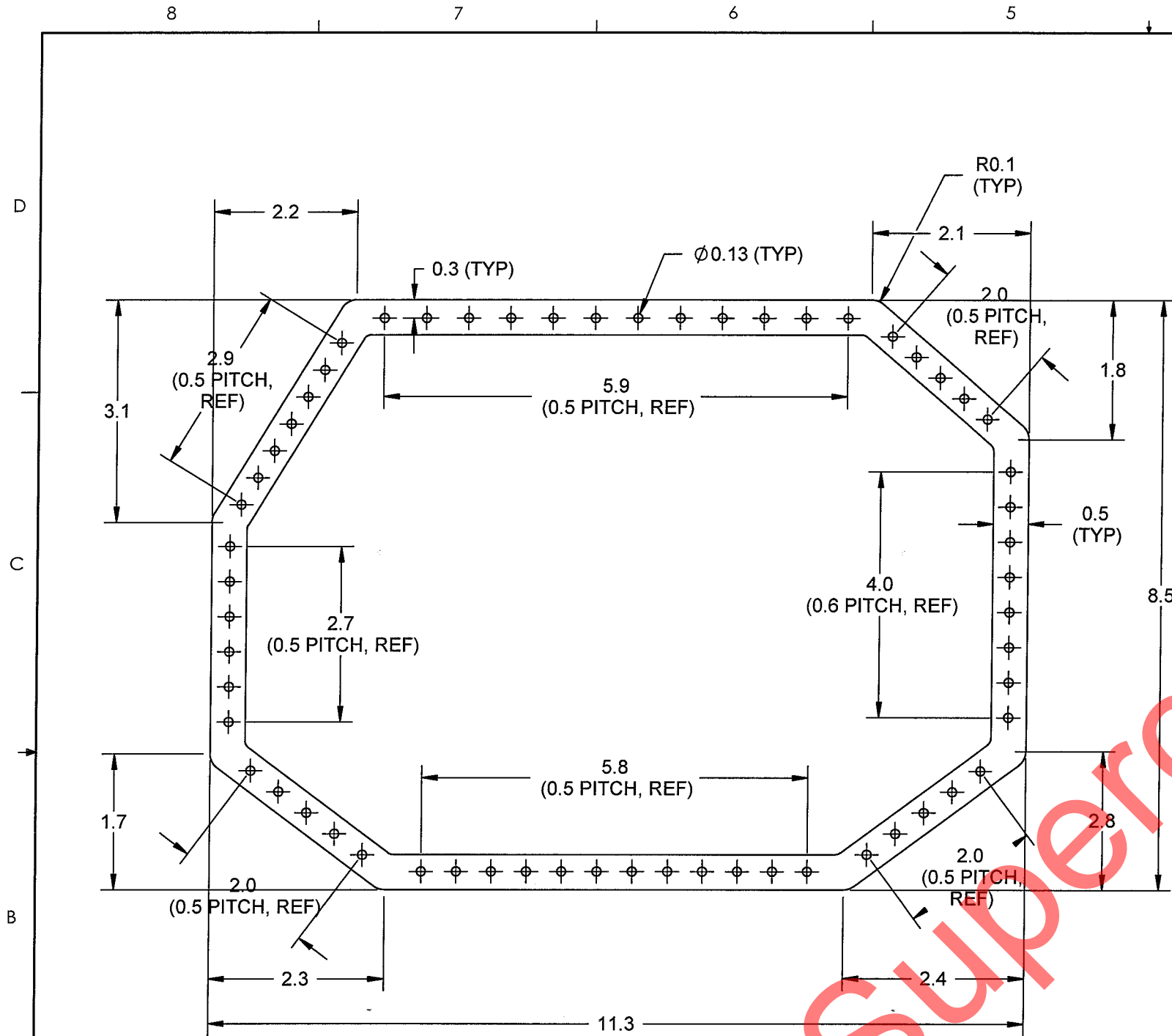
B	07.05.11	NO CHANGE
A	06.12.08	NEW ISSUE
DESIGN RF	DRAWN BY RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
CHECKED DS	APPROVED 	DRAWING NO. <b>D212-725-1</b>
DATE <b>07.05.11</b>	TITLE <b>212S DETAIL PARTS</b>	REV. B SHEET 20 OF 44 SCALE 1:2
COPYRIGHT © 2006 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD		



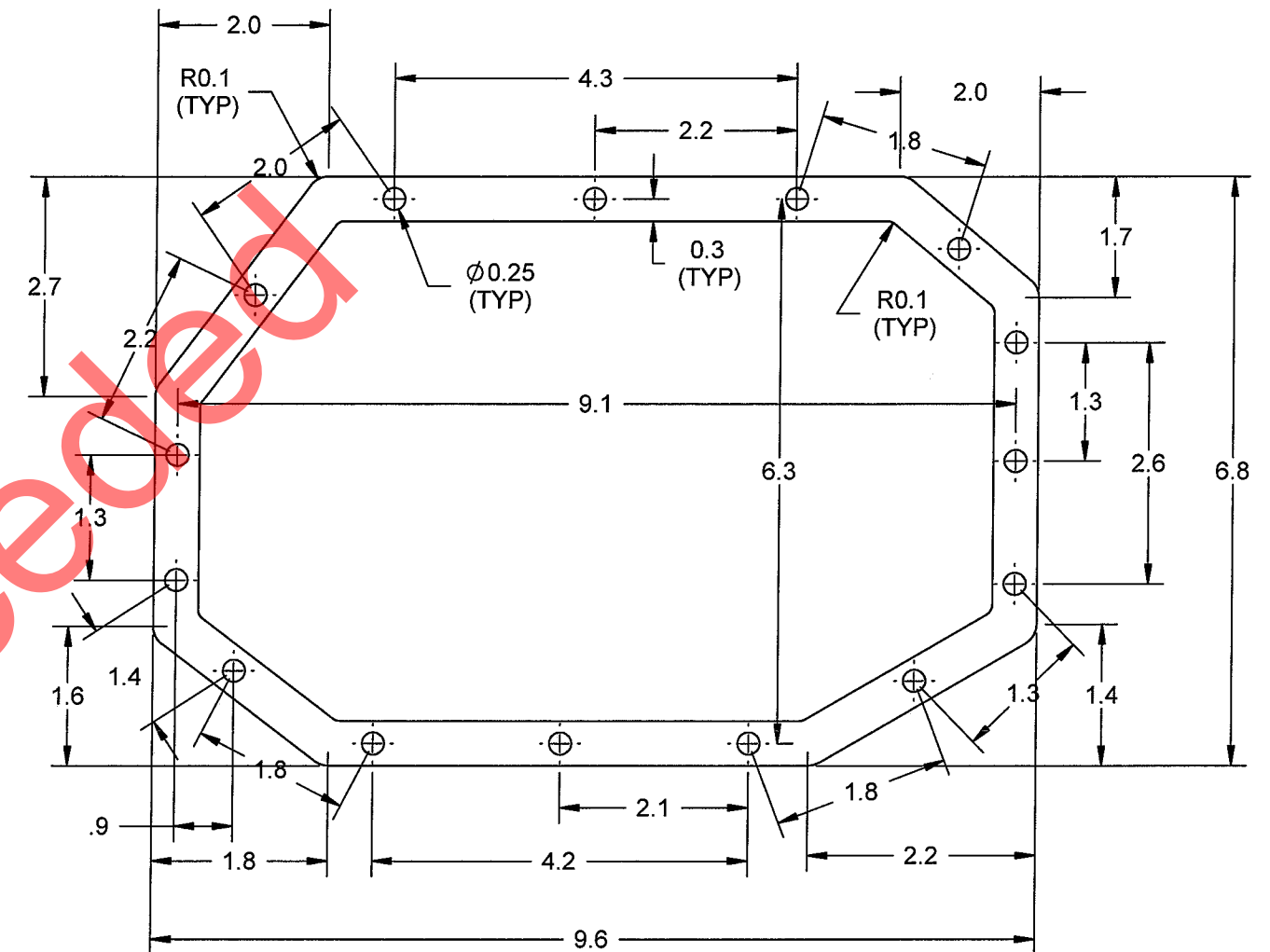
**NOTES:**

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL (25 GAUGE) 0.020 SHEET, PER MIL-S-5019 (REF. DART SPEC. M304S25GA)
- 2) FINISH: NONE
- 3) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) MACHINE & BEND PER DRAWING "D212-725-1-A21"

B	07.05.11	NO CHANGE
A	06.12.08	NEW ISSUE
DESIGN RF	DRAWN BY RF	<b>DART</b> DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHECKED DS	APPROVED 	DRAWING NO. D212-725-1
DATE 07.05.11	TITLE 212S DETAIL PARTS	REV. B SHEET 21 OF 44 SCALE 1:4



**D212-725-1-049 DOUBLER**  
 DIMENSIONS BETWEEN HOLES ARE PROVIDED FOR REFERENCE ONLY  
 TRANSFER Ø0.129 HOLES FROM D212-725-1-043/-045 WELDED



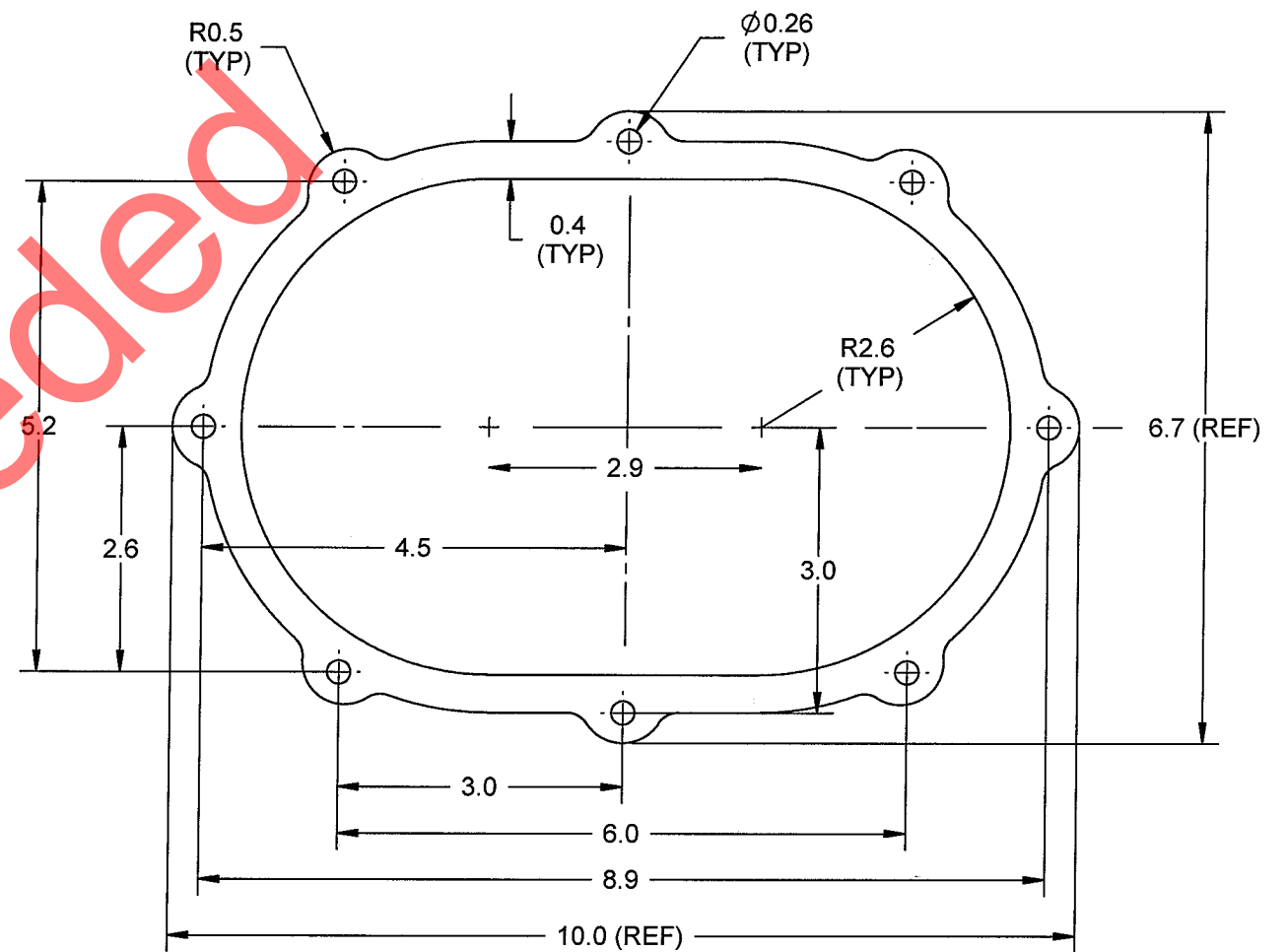
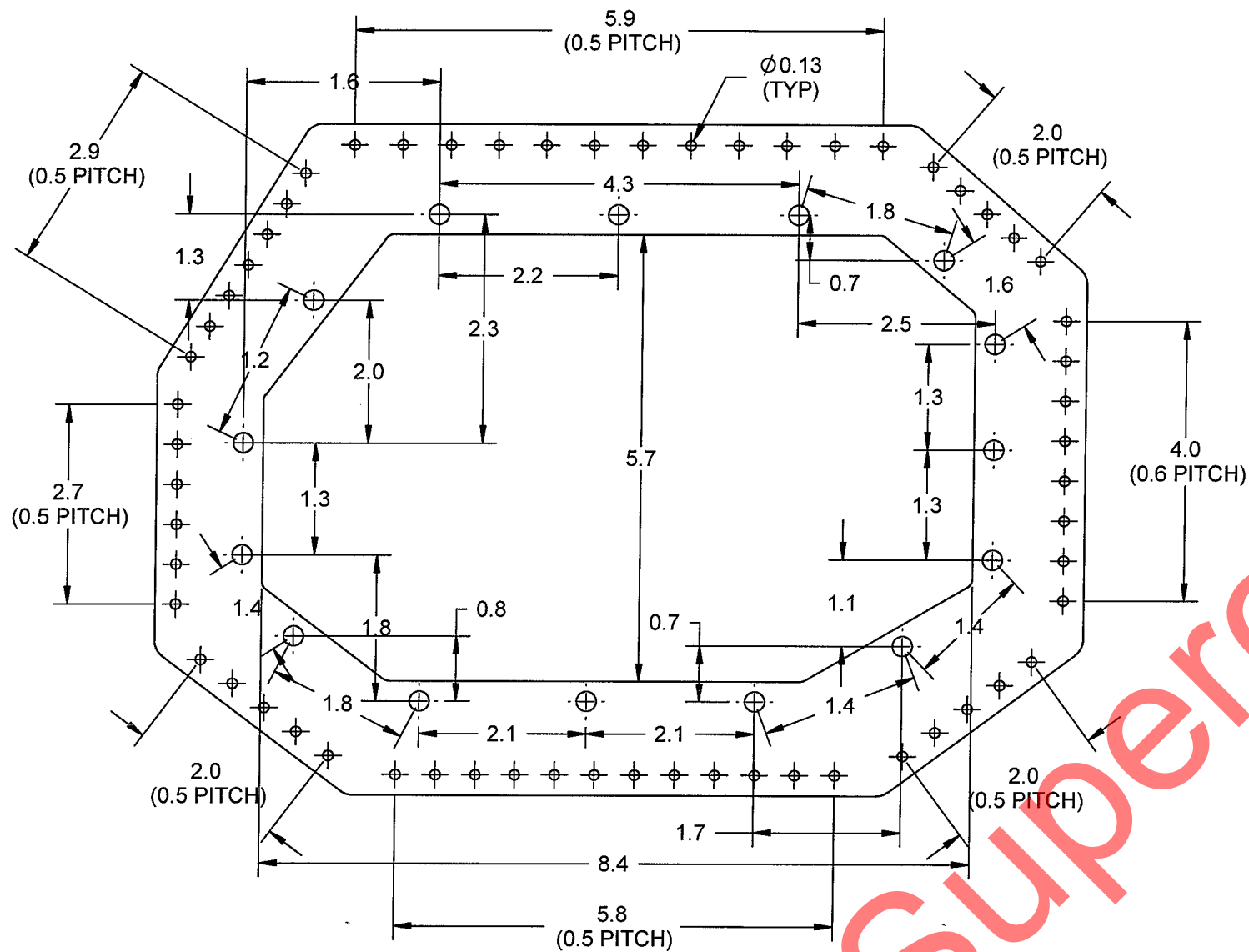
**D212-725-1-047 DOUBLER**  
 DIMENSIONS BETWEEN HOLES ARE PROVIDED FOR REFERENCE ONLY  
 TRANSFER Ø0.250 HOLES FROM D212-725-1-907 SECTION G-G

**NOTES:**

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL 0.020 (25 GAUGE) SHEET, PER MIL-S-5019 (REF. DART SPEC. M304S25GA)
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 6) MACHINE PER DRAWING "D212-725-1-A22"

B	07.05.11	NO CHANGE
A	06.12.08	NEW ISSUE
DESIGN RF	DRAWN BY RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
CHECKED DS	APPROVED <i>[Signature]</i>	DRAWING NO. <b>D212-725-1</b> REV. B SHEET 22 OF 44
DATE <b>07.05.11</b>	TITLE <b>212S DETAIL PARTS</b>	SCALE 1:4
COPYRIGHT © 2006 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.		





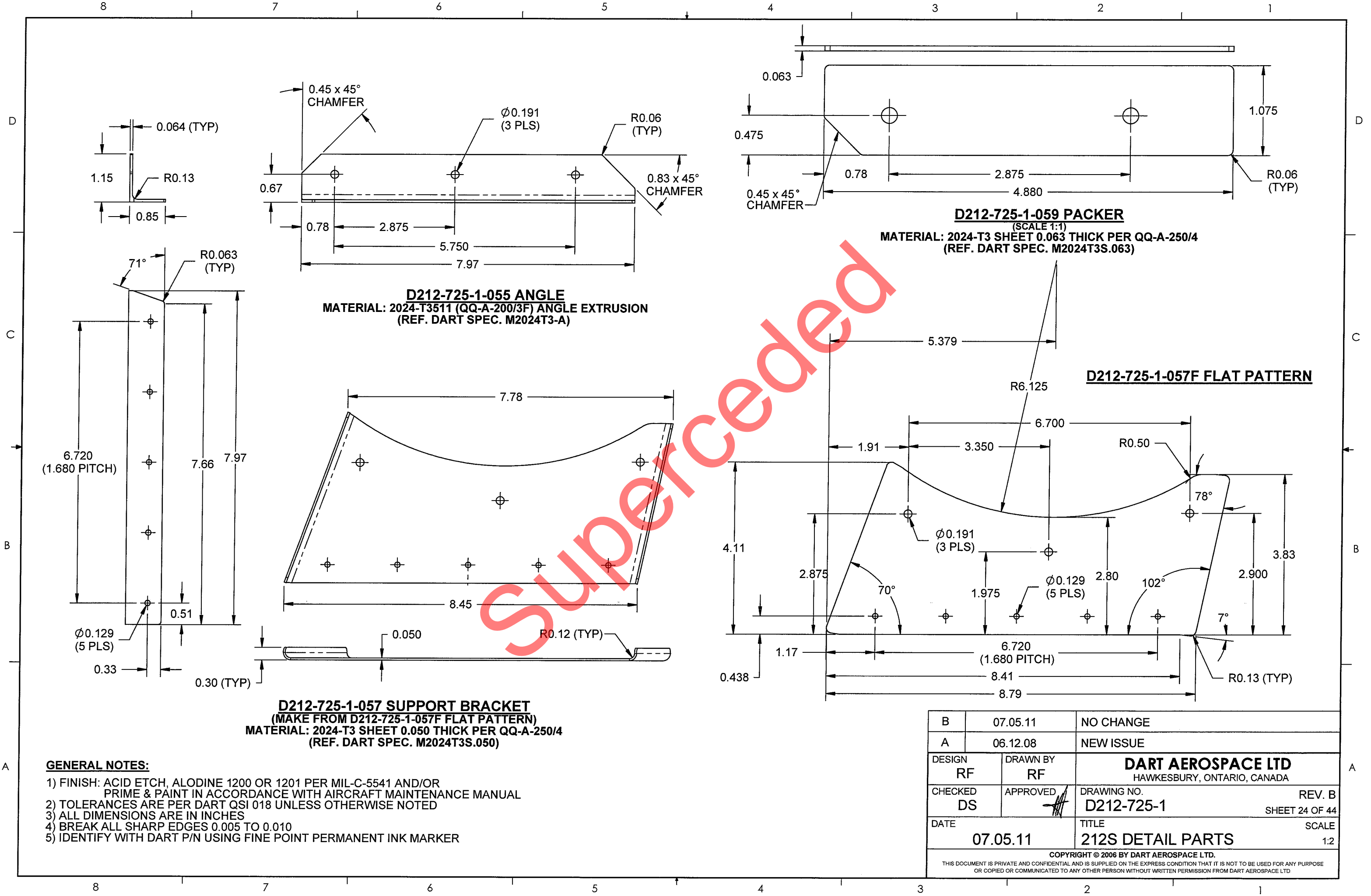
**D212-725-1-053 GASKET**  
 DIMENSIONS BETWEEN HOLES ARE PROVIDED FOR REFERENCE ONLY  
 TRANSFER  $\phi 0.129$  HOLES FROM D212-725-1-043/-45 WELDED ASSEMBLY  
 TRANSFER  $\phi 0.250$  HOLES FROM D212-725-1-907 SECTION G-G

**NOTES:**

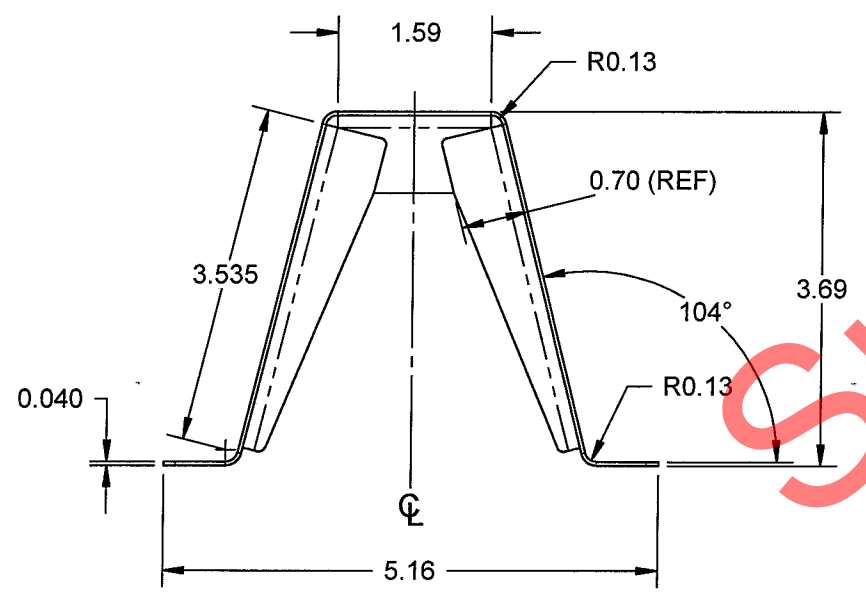
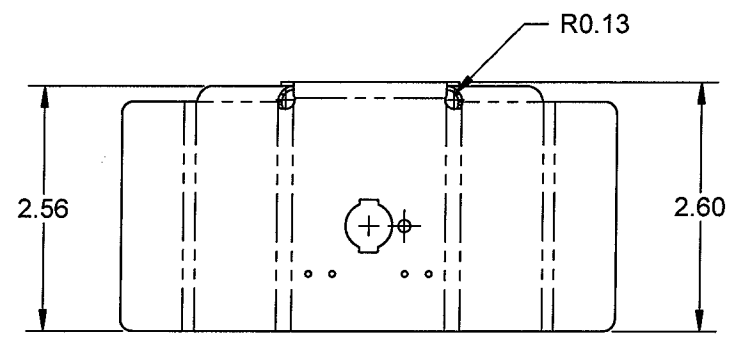
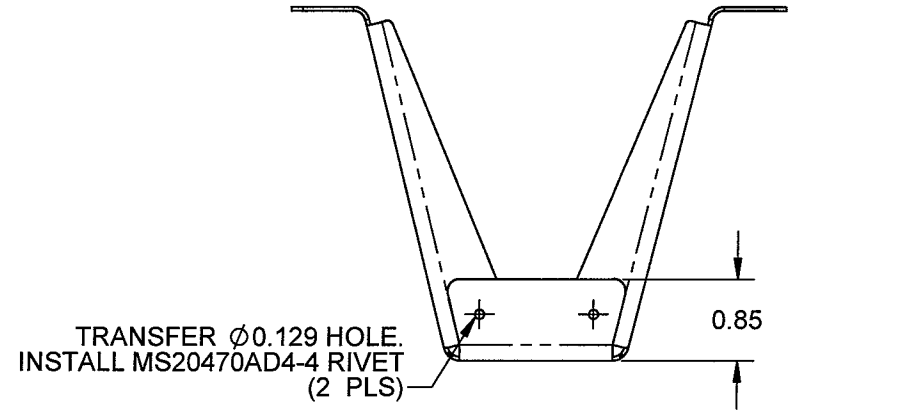
- 1) MATERIAL: THERMO-CHEM P/N G-89  
 POSSIBLE SUPPLIER: A.R. THOMSON GROUP
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) MACHINE PER DRAWING "D212-725-1-A23"

**D212-725-1-051 GASKET**

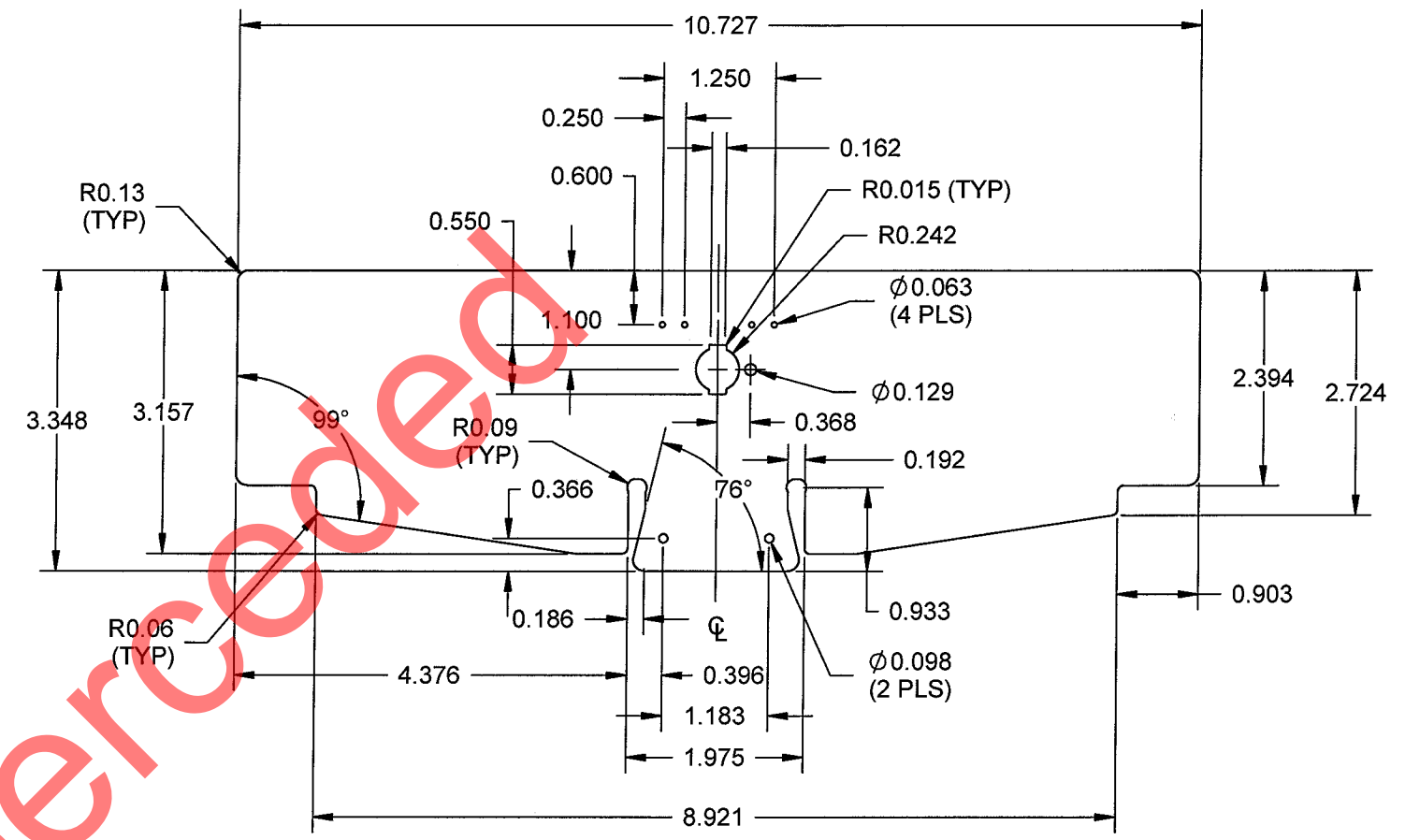
B	07.05.11	NO CHANGE
A	06.12.08	NEW ISSUE
DESIGN RF	DRAWN BY RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
CHECKED DS	APPROVED 	DRAWING NO. <b>D212-725-1</b> REV. B SHEET 23 OF 44
DATE <b>07.05.11</b>	TITLE <b>212S DETAIL PARTS</b>	SCALE 1:2
COPYRIGHT © 2006 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.		



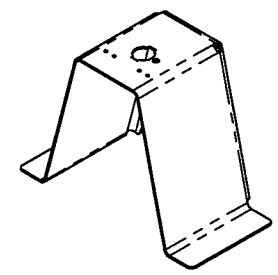
B	07.05.11	NO CHANGE
A	06.12.08	NEW ISSUE
DESIGN RF	DRAWN BY RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
CHECKED DS	APPROVED 	DRAWING NO. <b>D212-725-1</b> REV. B SHEET 24 OF 44
DATE <b>07.05.11</b>	TITLE <b>212S DETAIL PARTS</b>	SCALE 1:2
COPYRIGHT © 2006 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD		



**D212-725-1-061 BRACKET**  
(MAKE FROM D212-725-1-061F FLAT PATTERN)

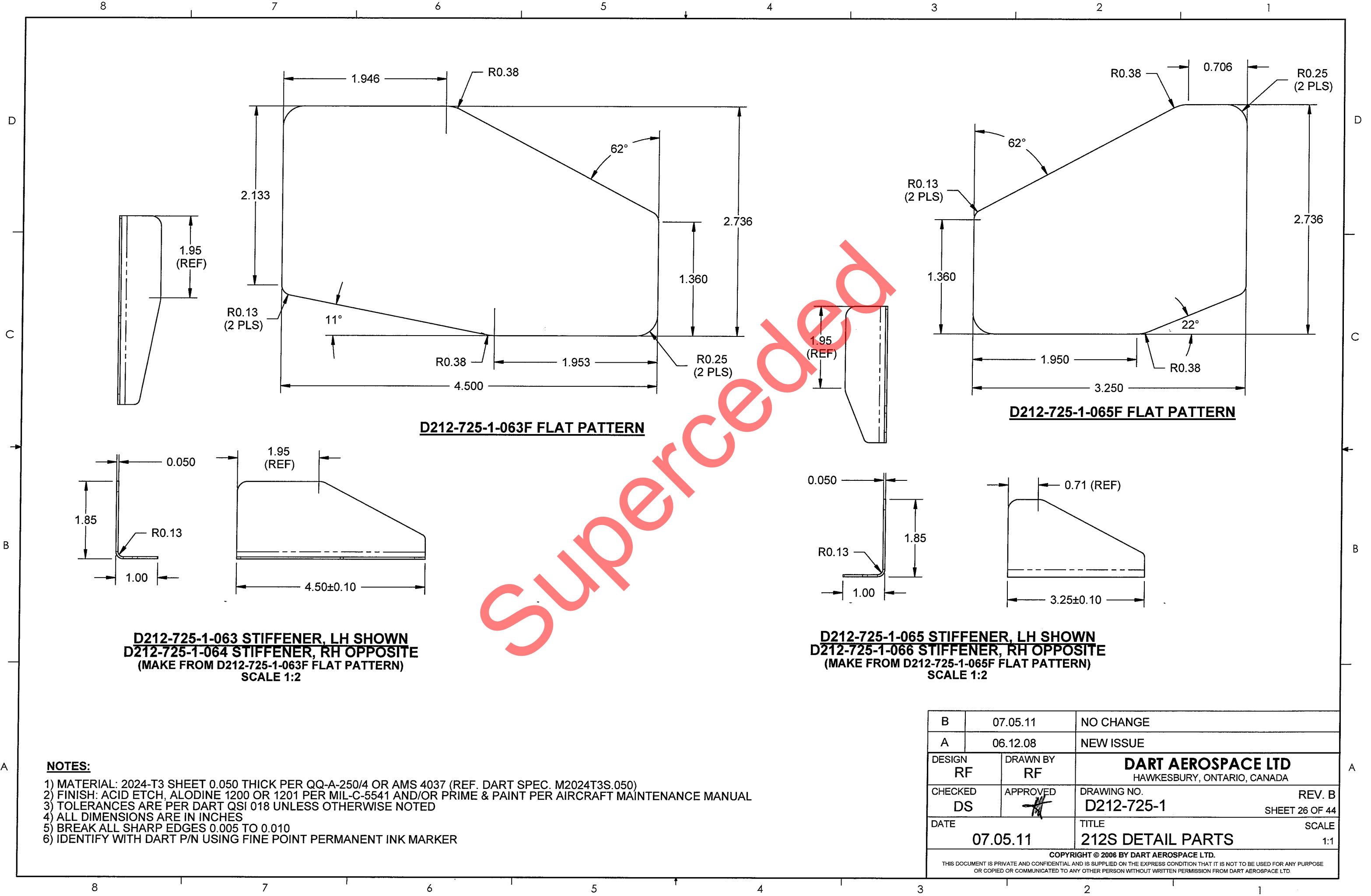


**D212-725-1-061F FLAT PATTERN**



- NOTES:**
- 1) MATERIAL: 2024-T3 SHEET 0.040 THICK PER QQ-A-250/4 OR AMS 4037 (REF. DART SPEC. M2024T3S.040)
  - 2) FINISH: ACID ETCH, ALODINE 1200 OR 1201 PER MIL-C-5541 AND/OR PRIME & PAINT PER AIRCRAFT MAINTENANCE MANUAL
  - 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) ALL DIMENSIONS ARE IN INCHES
  - 5) BREAK ALL SHARP EDGES 0.005 TO 0.010
  - 6) IDENTIFY WITH DART P/N USING FINE POINT PERMANENT INK MARKER

B	07.05.11	NO CHANGE
A	06.12.08	NEW ISSUE
DESIGN RF	DRAWN BY RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
CHECKED DS	APPROVED 	DRAWING NO. <b>D212-725-1</b>
DATE <b>07.05.11</b>	TITLE <b>212S DETAIL PARTS</b>	REV. B SHEET 25 OF 44 SCALE 1:2
COPYRIGHT © 2006 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.		



**D212-725-1-063F FLAT PATTERN**

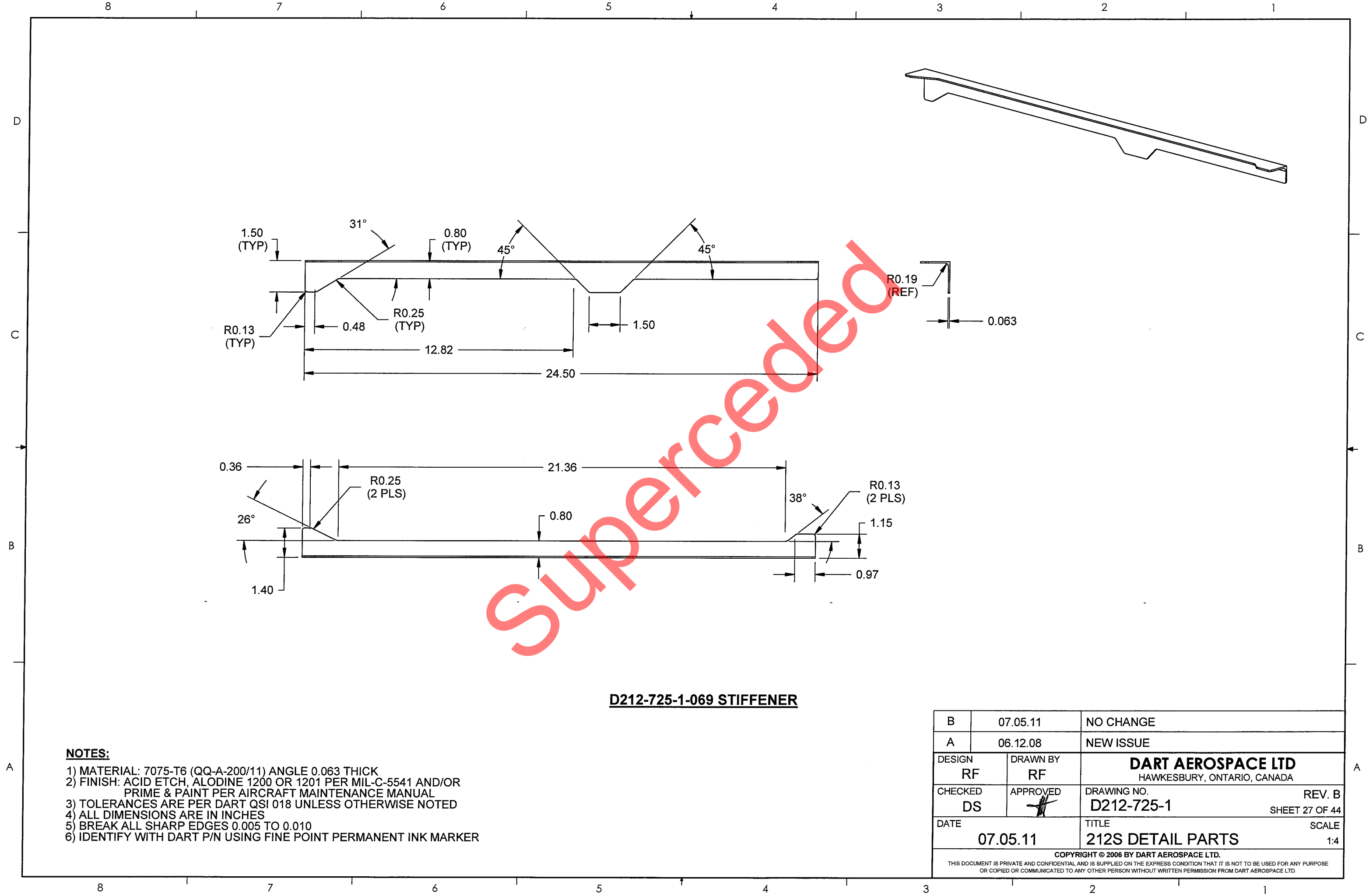
**D212-725-1-065F FLAT PATTERN**

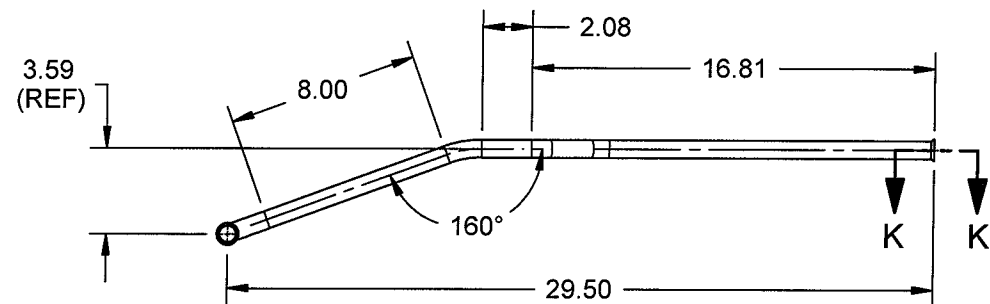
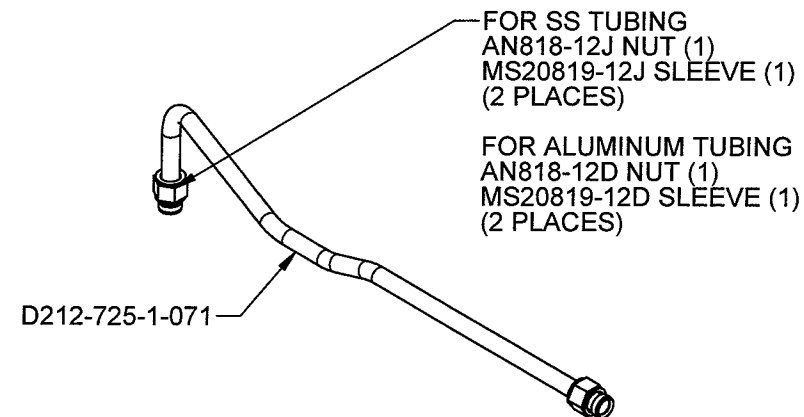
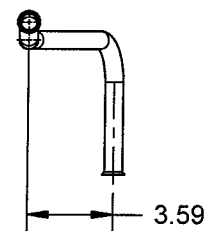
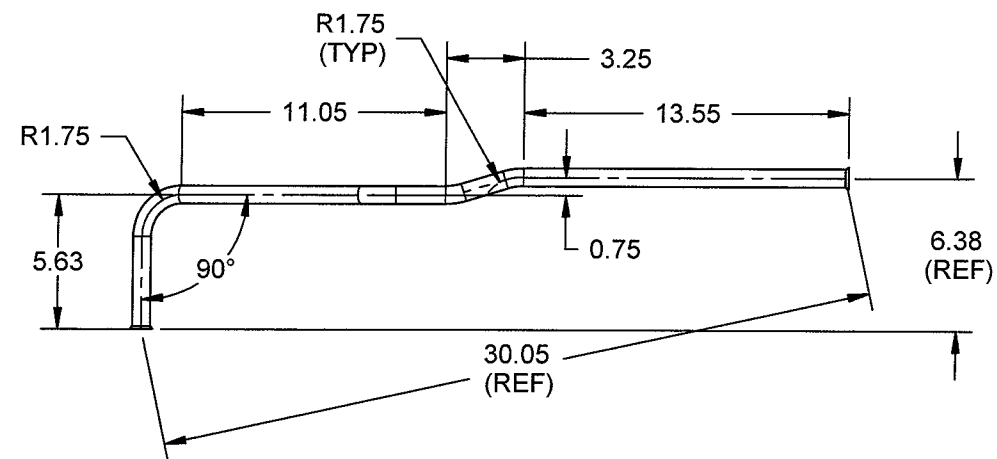
**D212-725-1-063 STIFFENER, LH SHOWN  
D212-725-1-064 STIFFENER, RH OPPOSITE  
(MAKE FROM D212-725-1-063F FLAT PATTERN)  
SCALE 1:2**

**D212-725-1-065 STIFFENER, LH SHOWN  
D212-725-1-066 STIFFENER, RH OPPOSITE  
(MAKE FROM D212-725-1-065F FLAT PATTERN)  
SCALE 1:2**

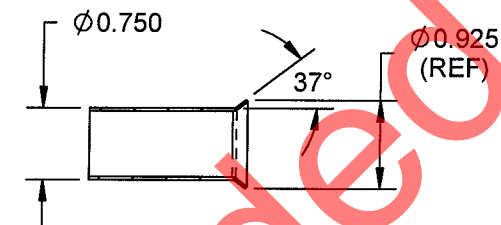
- NOTES:**
- 1) MATERIAL: 2024-T3 SHEET 0.050 THICK PER QQ-A-250/4 OR AMS 4037 (REF. DART SPEC. M2024T3S.050)
  - 2) FINISH: ACID ETCH, ALODINE 1200 OR 1201 PER MIL-C-5541 AND/OR PRIME & PAINT PER AIRCRAFT MAINTENANCE MANUAL
  - 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) ALL DIMENSIONS ARE IN INCHES
  - 5) BREAK ALL SHARP EDGES 0.005 TO 0.010
  - 6) IDENTIFY WITH DART P/N USING FINE POINT PERMANENT INK MARKER

B	07.05.11	NO CHANGE
A	06.12.08	NEW ISSUE
DESIGN RF	DRAWN BY RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
CHECKED DS	APPROVED 	DRAWING NO. <b>D212-725-1</b> REV. B SHEET 26 OF 44
DATE <b>07.05.11</b>	TITLE <b>212S DETAIL PARTS</b>	SCALE 1:1
COPYRIGHT © 2006 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.		



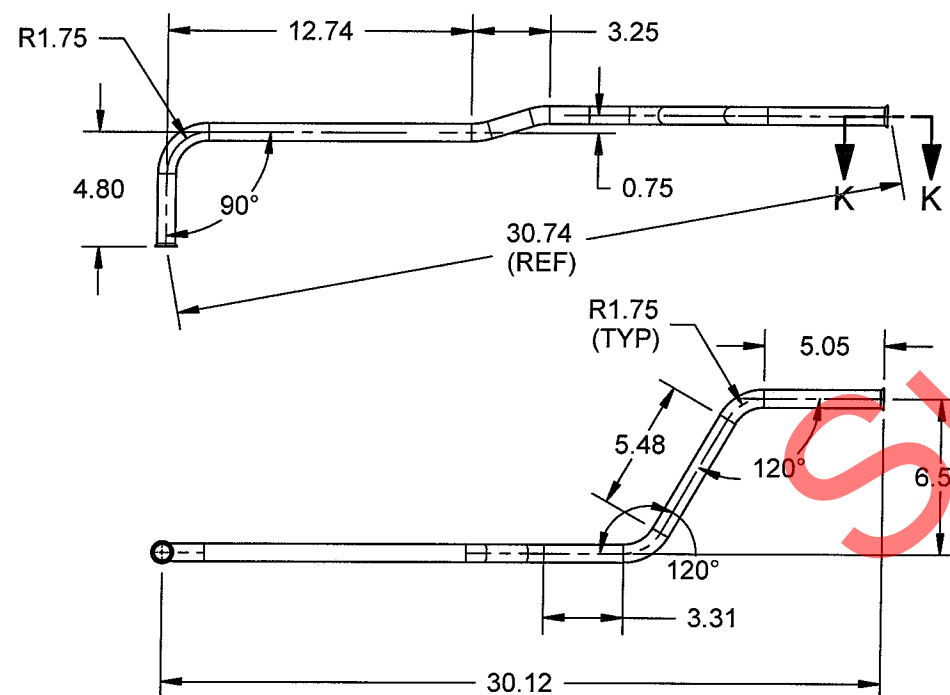


**D212-725-1-071 DRAIN TUBING**  
MANUFACTURE PER TEMPLATE DT8908

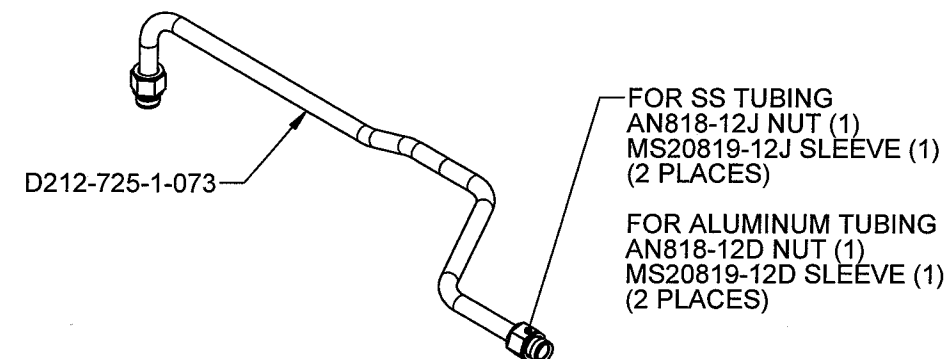
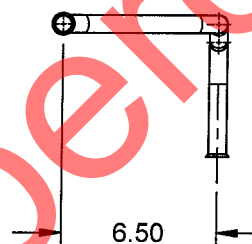


SECTION K-K  
(FINISH FLARE ONE END  
AFTER ASSEMBLY)  
SCALE 1:2

**D212-725-1-913 DRAIN TUBE ASSY**




**D212-725-1-073 DRAIN TUBING**  
MANUFACTURE PER TEMPLATE DT 8909



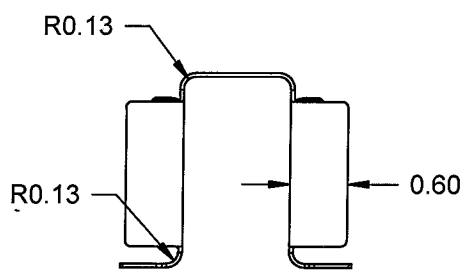
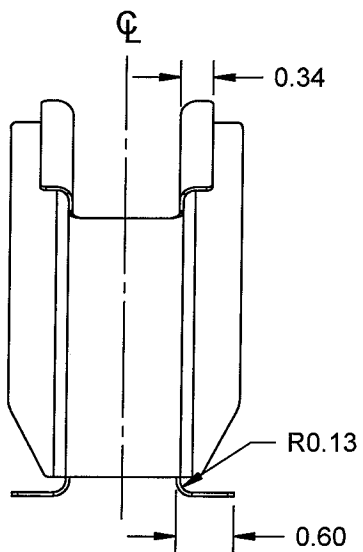
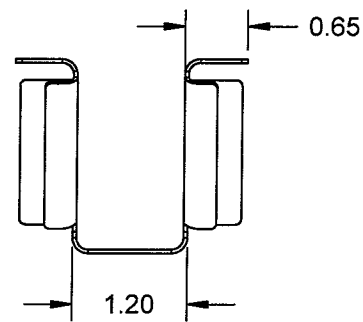
**D212-725-1-915 DRAIN TUBE ASSY**

**D212-725-1-071/-073:**

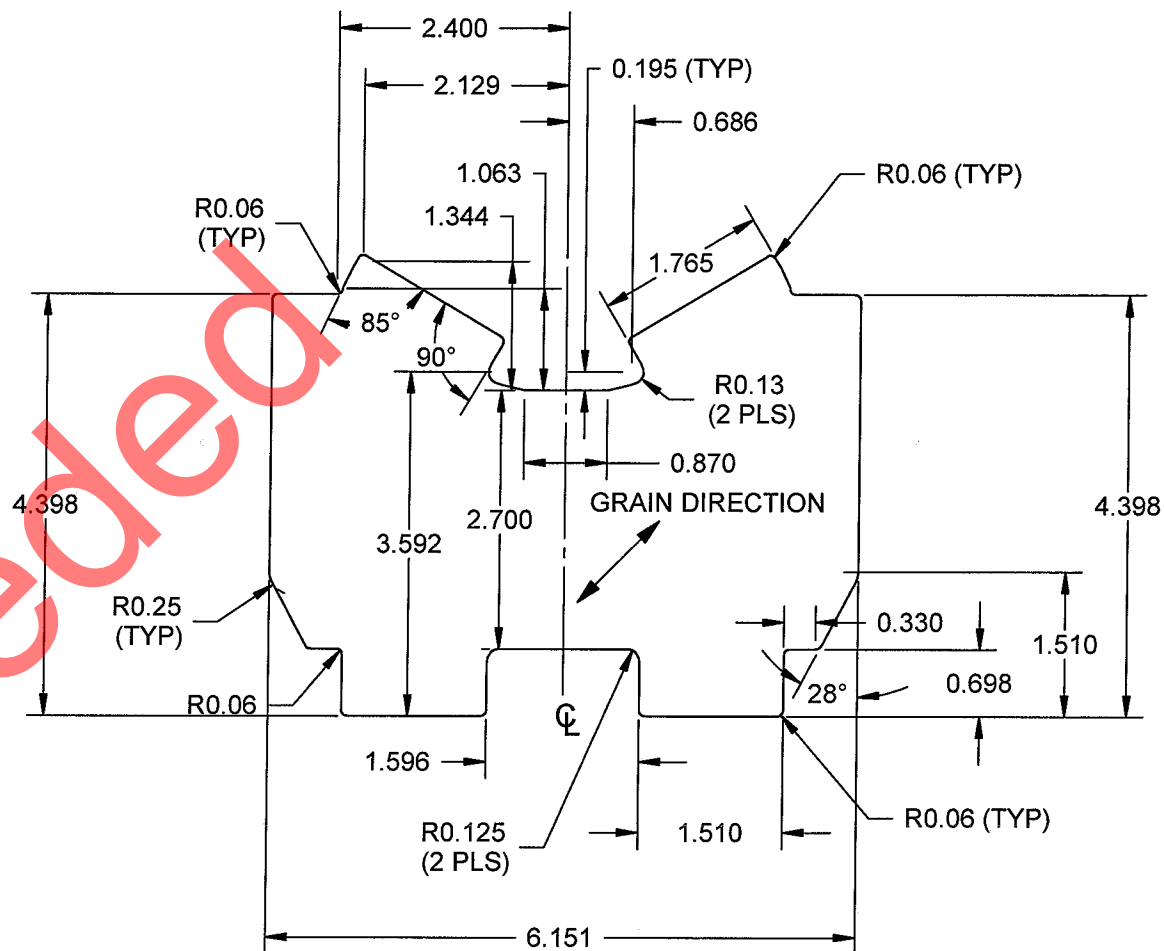
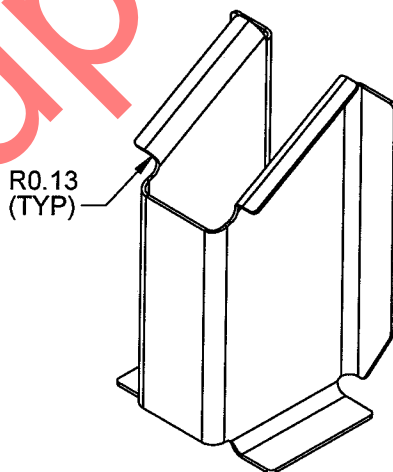
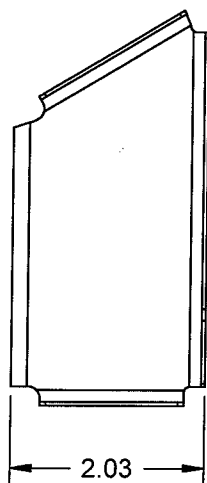
- 1) MATERIAL: AISI 304/316 SS  $\phi 0.750 \times 0.049$  WALL SEAMLESS ROUND TUBING (REF. DART SPEC. M304TR0.750W.049) OR 6061-T6 OR 6061-T62 ALUMINUM TUBING  $\phi 0.750 \times 0.035$  WALL (REF. DART SPEC. M6061T6TR0.750W0.035)
- 2) FINISH: FOR ALUMINUM TUBING ACID ETCH, ALODINE 1200 OR 1201 PER MIL-C-5541
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 6) IDENTIFY ASSEMBLY (-913/-915) WITH DART P/N USING FINE POINT PERMANENT INK MARKER

B	07.05.11	ADD NOTE FABRICATE FROM SS	
A	06.12.08	NEW ISSUE	
DESIGN DC	DRAWN BY RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
CHECKED DS	APPROVED 	DRAWING NO. <b>D212-725-1</b>	REV. B SHEET 28 OF 44
DATE <b>07.05.11</b>		TITLE <b>212S DETAIL PARTS</b>	SCALE 1:8
COPYRIGHT © 2006 BY DART AEROSPACE LTD.			
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			






**D212-725-1-075 BRACKET**  
(MAKE FROM D212-725-1-075F FLAT PATTERN)

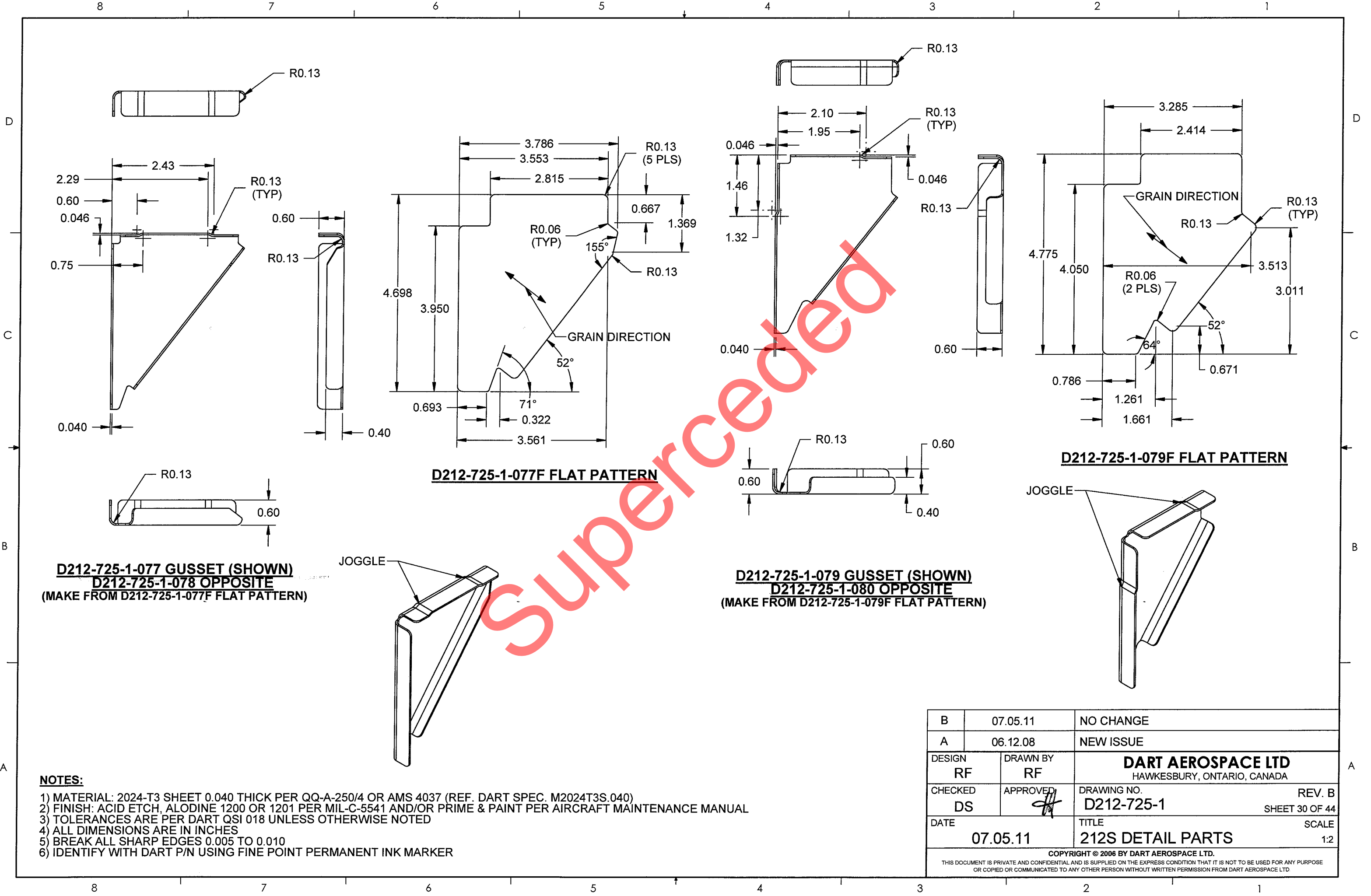


**D212-725-1-075F FLAT PATTERN**

**NOTES:**

- 1) MATERIAL: 2024-T3 SHEET 0.040 THICK PER QQ-A-250/4 OR AMS 4037 (REF. DART SPEC. M2024T3S.040)
- 2) FINISH: ACID ETCH, ALODINE 1200 OR 1201 PER MIL-C-5541 AND/OR PRIME & PAINT PER AIRCRAFT MAINTENANCE MANUAL
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 6) IDENTIFY WITH DART P/N USING FINE POINT PERMANENT INK MARKER

B	07.05.11	NO CHANGE
A	06.12.08	NEW ISSUE
DESIGN RF	DRAWN BY RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
CHECKED DS	APPROVED 	DRAWING NO. <b>D212-725-1</b>
DATE <b>07.05.11</b>	TITLE <b>212S DETAIL PARTS</b>	REV. B SHEET 29 OF 44 SCALE 1:2
COPYRIGHT © 2006 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.		




**D212-725-1-077 GUSSET (SHOWN)  
D212-725-1-078 OPPOSITE  
(MAKE FROM D212-725-1-077F FLAT PATTERN)**

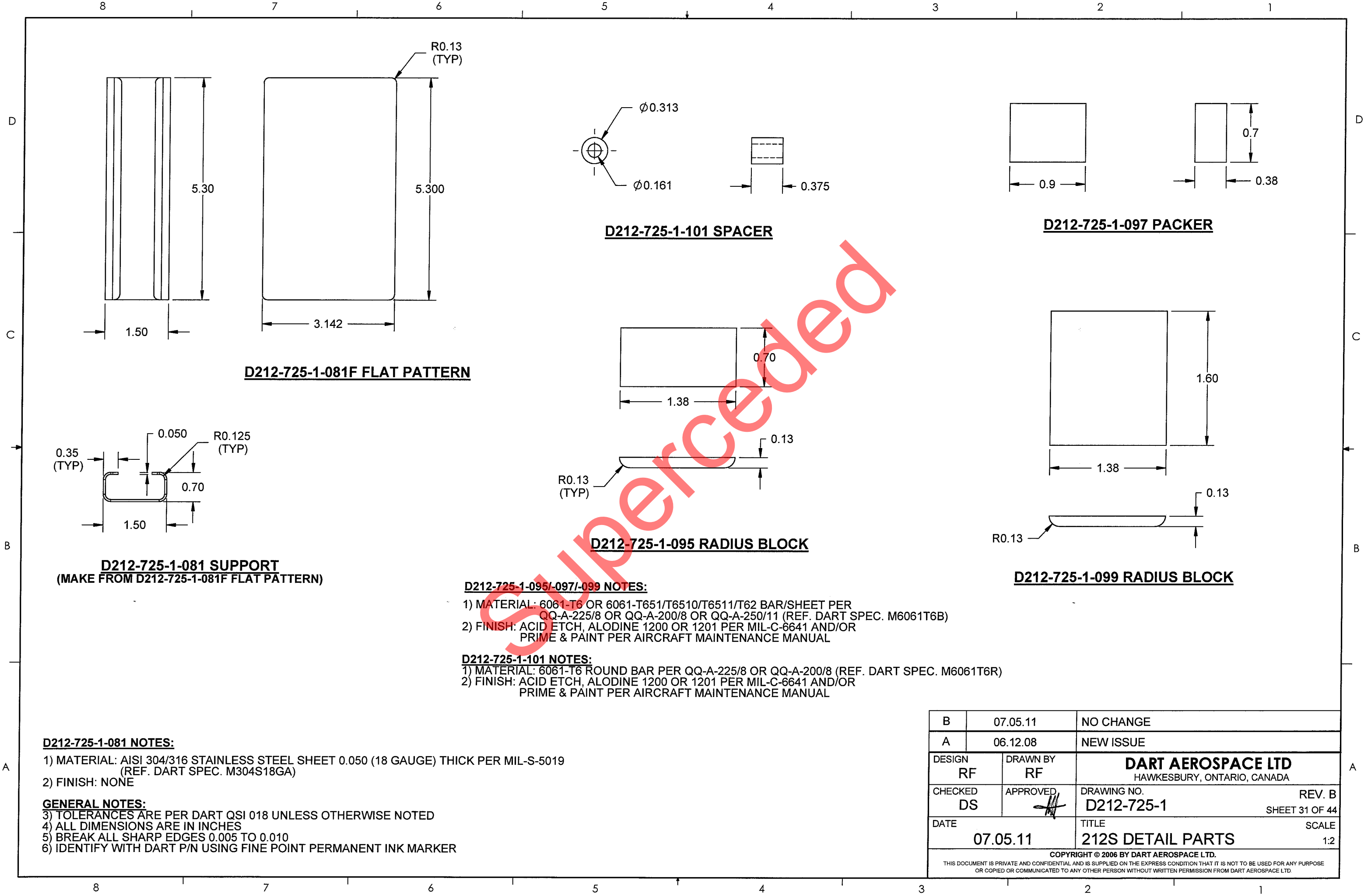
**D212-725-1-077F FLAT PATTERN**


**D212-725-1-079 GUSSET (SHOWN)  
D212-725-1-080 OPPOSITE  
(MAKE FROM D212-725-1-079F FLAT PATTERN)**

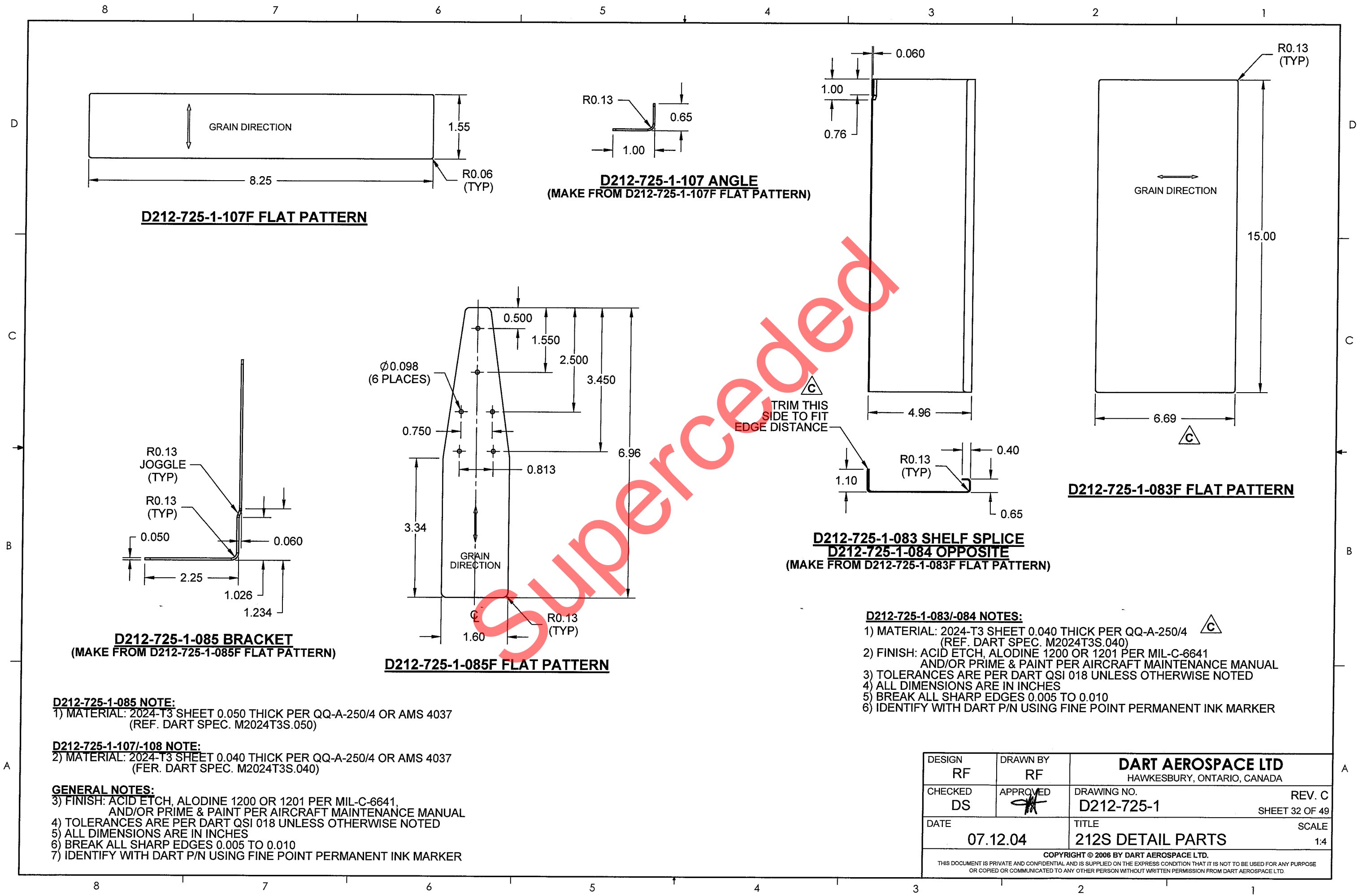
**D212-725-1-079F FLAT PATTERN**

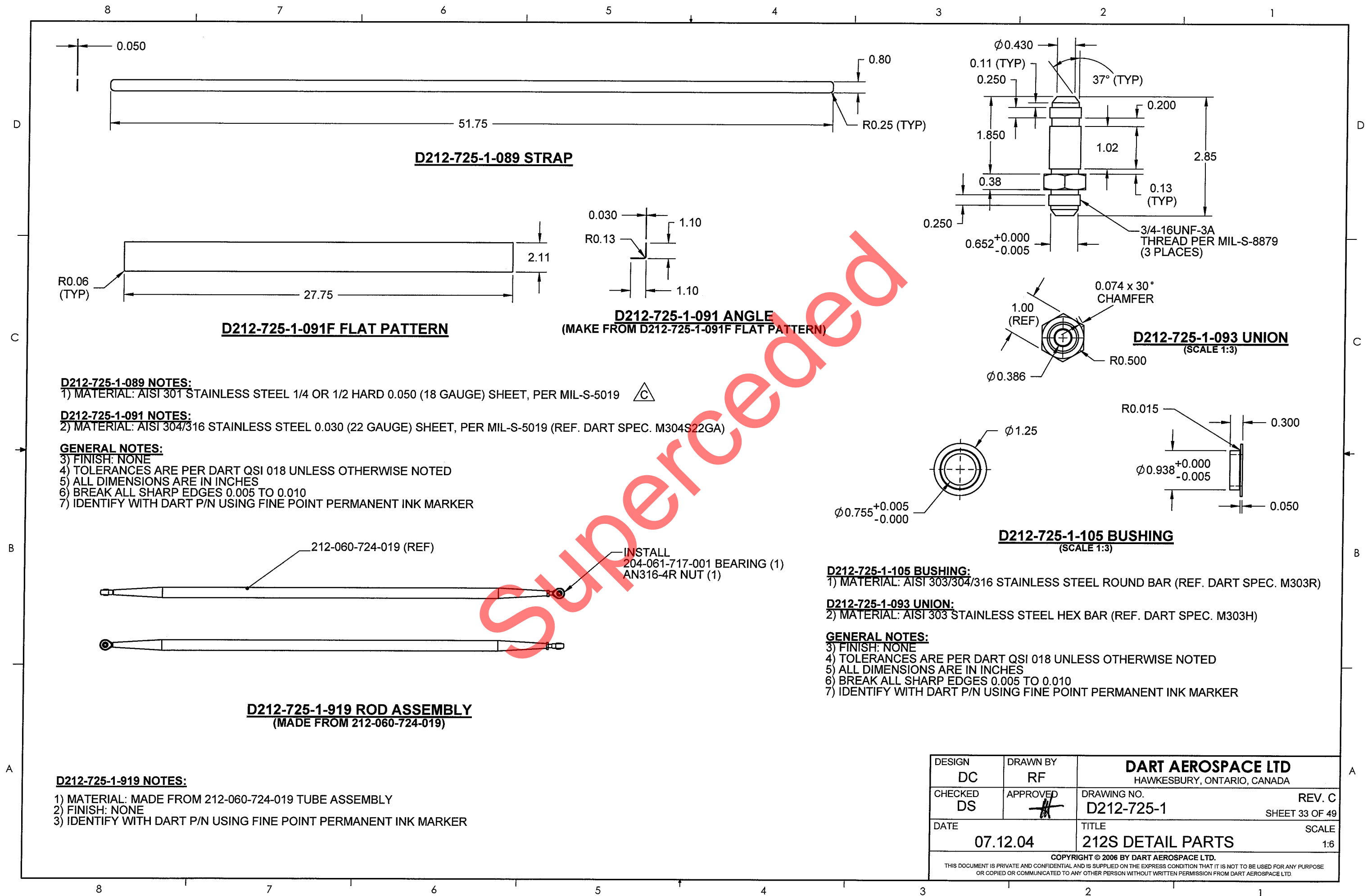
- NOTES:**
- 1) MATERIAL: 2024-T3 SHEET 0.040 THICK PER QQ-A-250/4 OR AMS 4037 (REF. DART SPEC. M2024T3S.040)
  - 2) FINISH: ACID ETCH, ALODINE 1200 OR 1201 PER MIL-C-5541 AND/OR PRIME & PAINT PER AIRCRAFT MAINTENANCE MANUAL
  - 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) ALL DIMENSIONS ARE IN INCHES
  - 5) BREAK ALL SHARP EDGES 0.005 TO 0.010
  - 6) IDENTIFY WITH DART P/N USING FINE POINT PERMANENT INK MARKER


B	07.05.11	NO CHANGE
A	06.12.08	NEW ISSUE
DESIGN RF	DRAWN BY RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
CHECKED DS	APPROVED 	DRAWING NO. <b>D212-725-1</b> REV. B SHEET 30 OF 44
DATE <b>07.05.11</b>	TITLE <b>212S DETAIL PARTS</b>	SCALE 1:2
COPYRIGHT © 2006 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.		

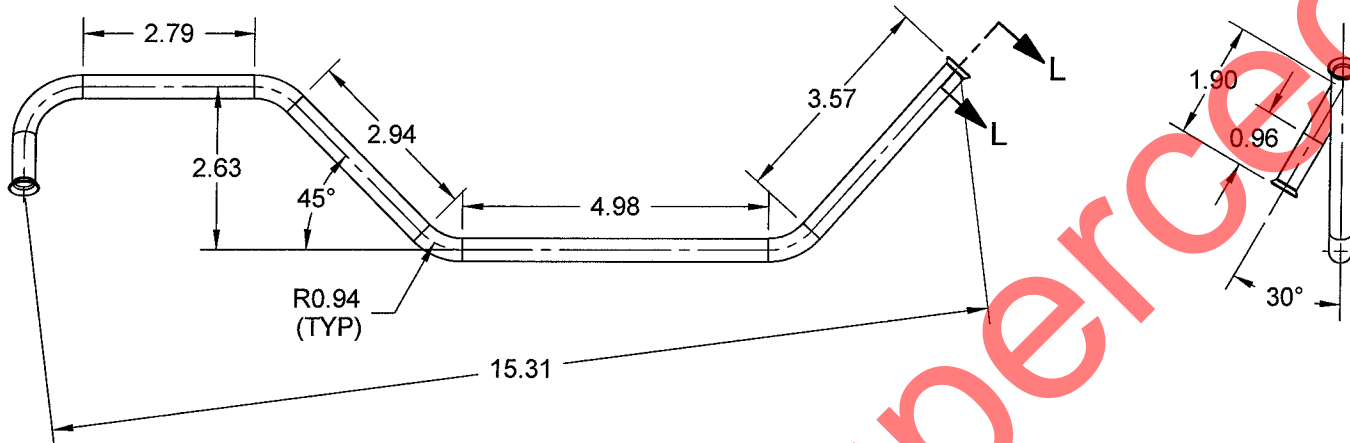
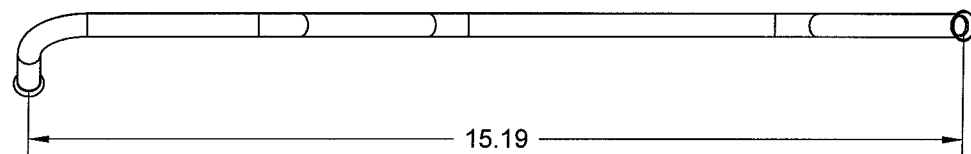


B	07.05.11	NO CHANGE
A	06.12.08	NEW ISSUE
DESIGN RF	DRAWN BY RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
CHECKED DS	APPROVED 	DRAWING NO. <b>D212-725-1</b>
DATE <b>07.05.11</b>	TITLE <b>212S DETAIL PARTS</b>	REV. B SHEET 31 OF 44 SCALE 1:2
COPYRIGHT © 2006 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.		

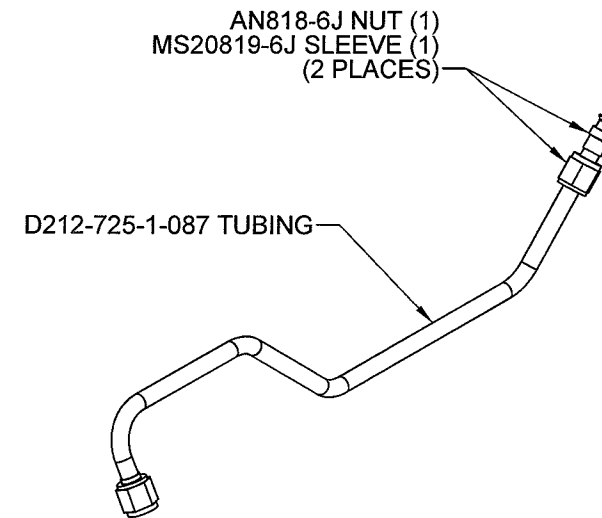




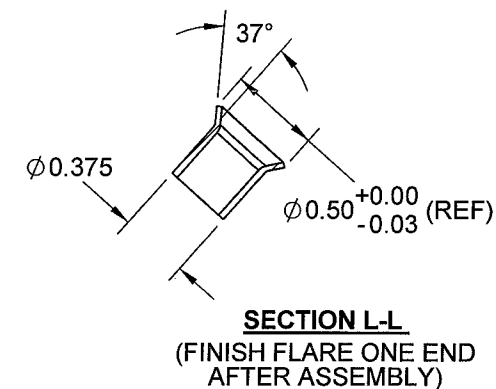
DESIGN DC	DRAWN BY RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED DS	APPROVED 	DRAWING NO. D212-725-1	REV. C SHEET 33 OF 49
DATE 07.12.04		TITLE 212S DETAIL PARTS	SCALE 1:6
COPYRIGHT © 2006 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD			



**D212-725-1-087 TUBING**  
MANUFACTURE PER TEMPLATE DT8910 

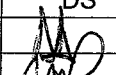
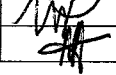


**D212-725-1-917 TUBE ASSEMBLY**

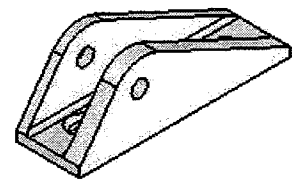


**NOTES:**

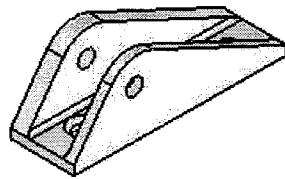
- 1) MATERIAL: AISI 304/316 SS  $\phi$  0.375 x 0.035 WALL SEAMLESS ROUND TUBING (REF. DART SPEC. M304TR0.375W.035)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N D212-725-1-917 USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: N/A

DESIGN	DC	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	DS	DRAWING NO.	REV. C
MFG. APPR.		<b>D212-725-1</b>	SHEET 34 OF 49
APPROVED		TITLE	SCALE
DE APPR.		<b>212S DETAIL PARTS</b>	1:3
DATE	07.12.04	COPYRIGHT © 2006 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

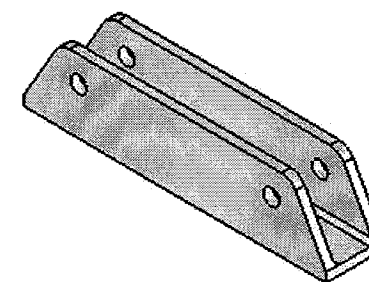




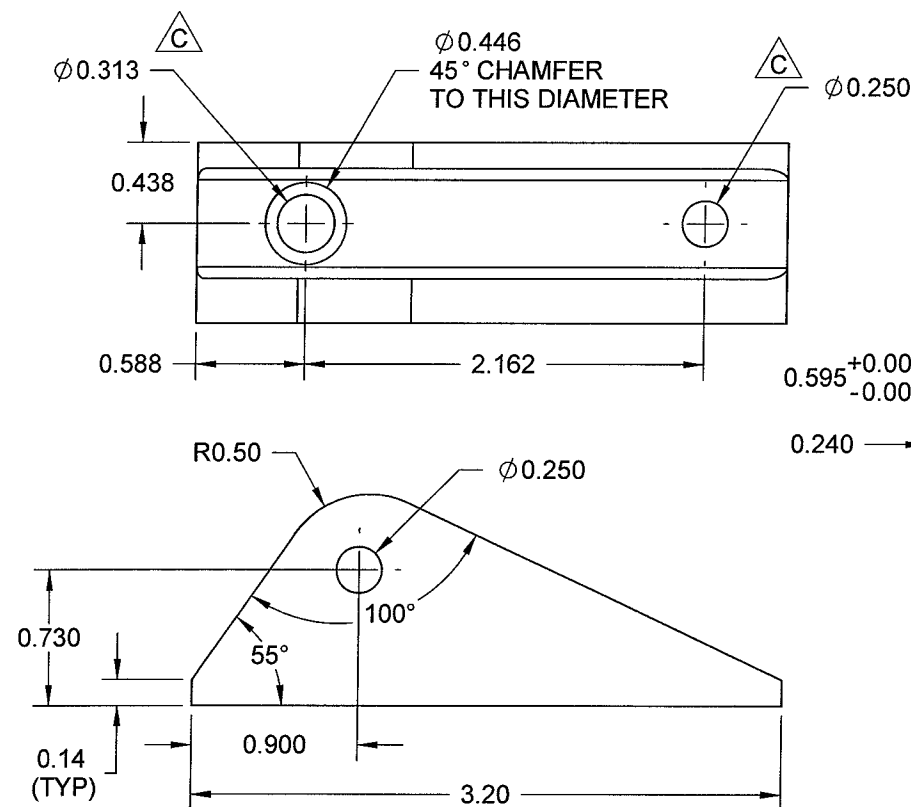
**D212-725-1-109 SHOWN**



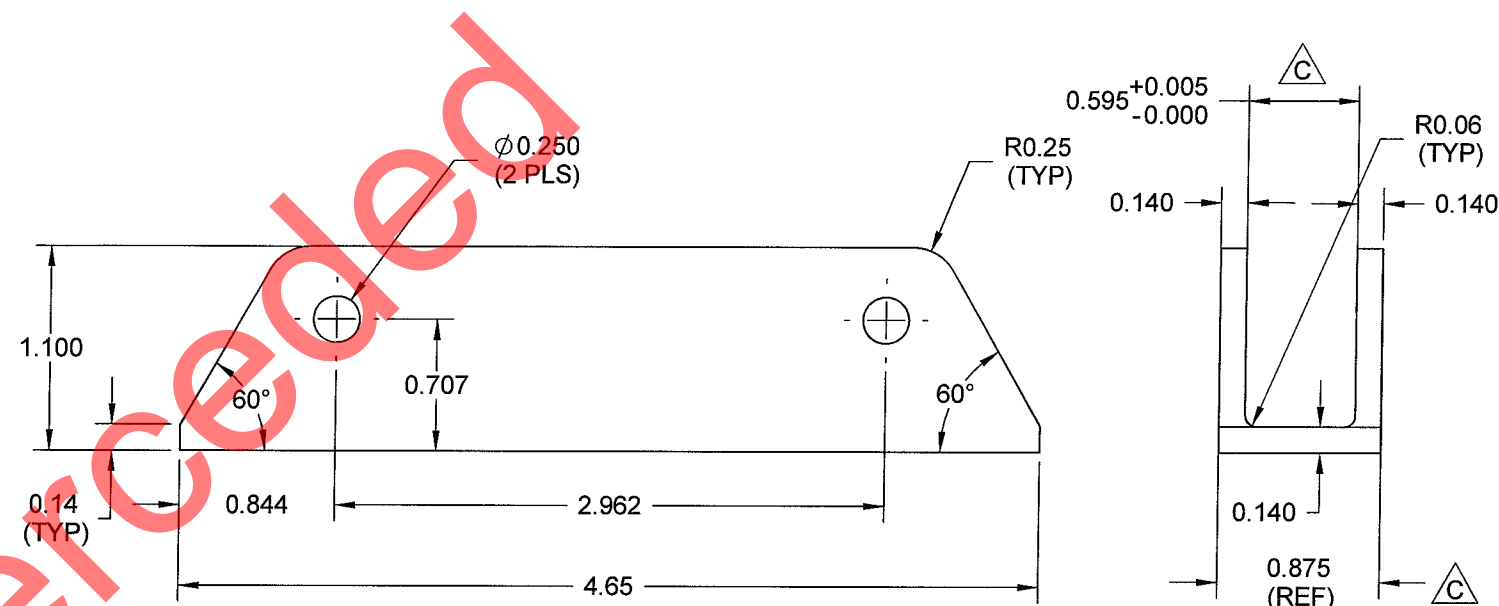
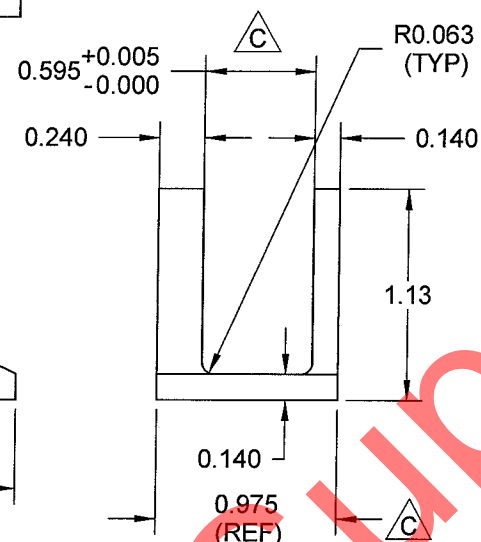
**D212-725-1-110 SHOWN**



**D212-725-1-111 LARGE ENGINE MOUNT**

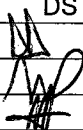


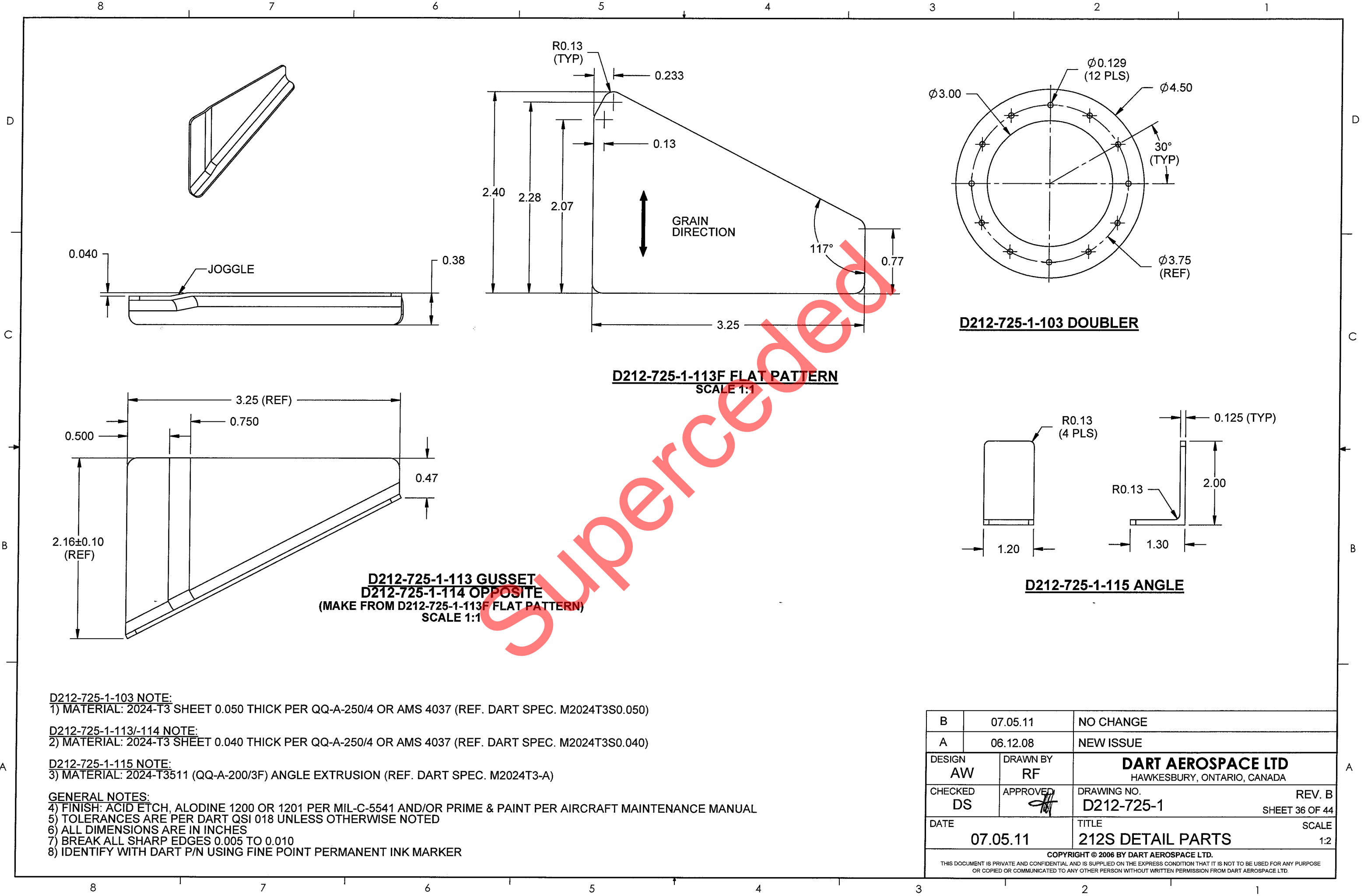
**D212-725-1-109 SMALL ENGINE MOUNT  
D212-725-1-110 OPPOSITE**



**D212-725-1-109/-110/-111 NOTES:**

- 1) MATERIAL: AISI 4140/4130 STEEL BAR PER MIL-S-5626/-6758 OR AMS 6382/6349/6529 OR AMS 6348/6370/6528 (REF. DART SPEC. M4140N-B OR M4130N-B)  
HEAT TREAT TO MIN. ULTIMATE TENSILE STRENGTH = 125 ksi
- 2) FINISH: CADMIUM PLATE PER AMS-QQ-P-416B, CLASS I, TYPE II  
PRIME & PAINT PER AIRCRAFT MAINTENANCE MANUAL
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: N/A

DESIGN	JL	<b>DART AEROSPACE LTD</b>	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	DS	DRAWING NO.	REV.
MFG. APPR.		D212-725-1	SHEET 35 OF 4
APPROVED		TITLE	SCALE
DE APPR.		212S DETAIL PARTS	1:
DATE	07.12.04	COPYRIGHT © 2006 BY DART AEROSPACE LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			



D212-725-1-103 DOUBLER

D212-725-1-113F FLAT PATTERN  
SCALE 1:1

D212-725-1-113 GUSSET  
D212-725-1-114 OPPOSITE  
(MAKE FROM D212-725-1-113F FLAT PATTERN)  
SCALE 1:1


D212-725-1-115 ANGLE

D212-725-1-103 NOTE:  
1) MATERIAL: 2024-T3 SHEET 0.050 THICK PER QQ-A-250/4 OR AMS 4037 (REF. DART SPEC. M2024T3S0.050)

D212-725-1-113/-114 NOTE:  
2) MATERIAL: 2024-T3 SHEET 0.040 THICK PER QQ-A-250/4 OR AMS 4037 (REF. DART SPEC. M2024T3S0.040)

D212-725-1-115 NOTE:  
3) MATERIAL: 2024-T3511 (QQ-A-200/3F) ANGLE EXTRUSION (REF. DART SPEC. M2024T3-A)

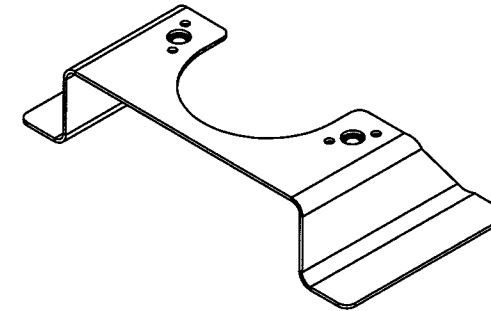
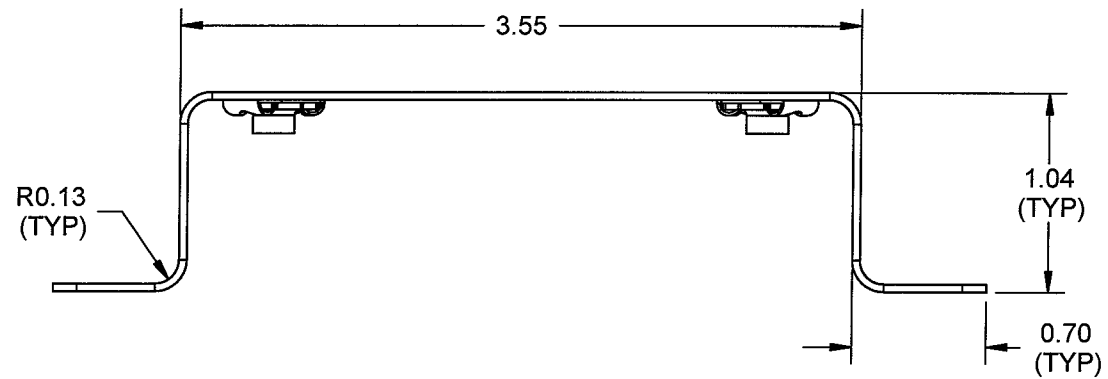
GENERAL NOTES:  
4) FINISH: ACID ETCH, ALODINE 1200 OR 1201 PER MIL-C-5541 AND/OR PRIME & PAINT PER AIRCRAFT MAINTENANCE MANUAL  
5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED  
6) ALL DIMENSIONS ARE IN INCHES  
7) BREAK ALL SHARP EDGES 0.005 TO 0.010  
8) IDENTIFY WITH DART P/N USING FINE POINT PERMANENT INK MARKER

B	07.05.11	NO CHANGE	
A	06.12.08	NEW ISSUE	
DESIGN AW	DRAWN BY RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED DS	APPROVED 	DRAWING NO. D212-725-1	REV. B SHEET 36 OF 44
DATE 07.05.11	TITLE 212S DETAIL PARTS		SCALE 1:2
COPYRIGHT © 2006 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			

8 7 6 5 4 3 2 1

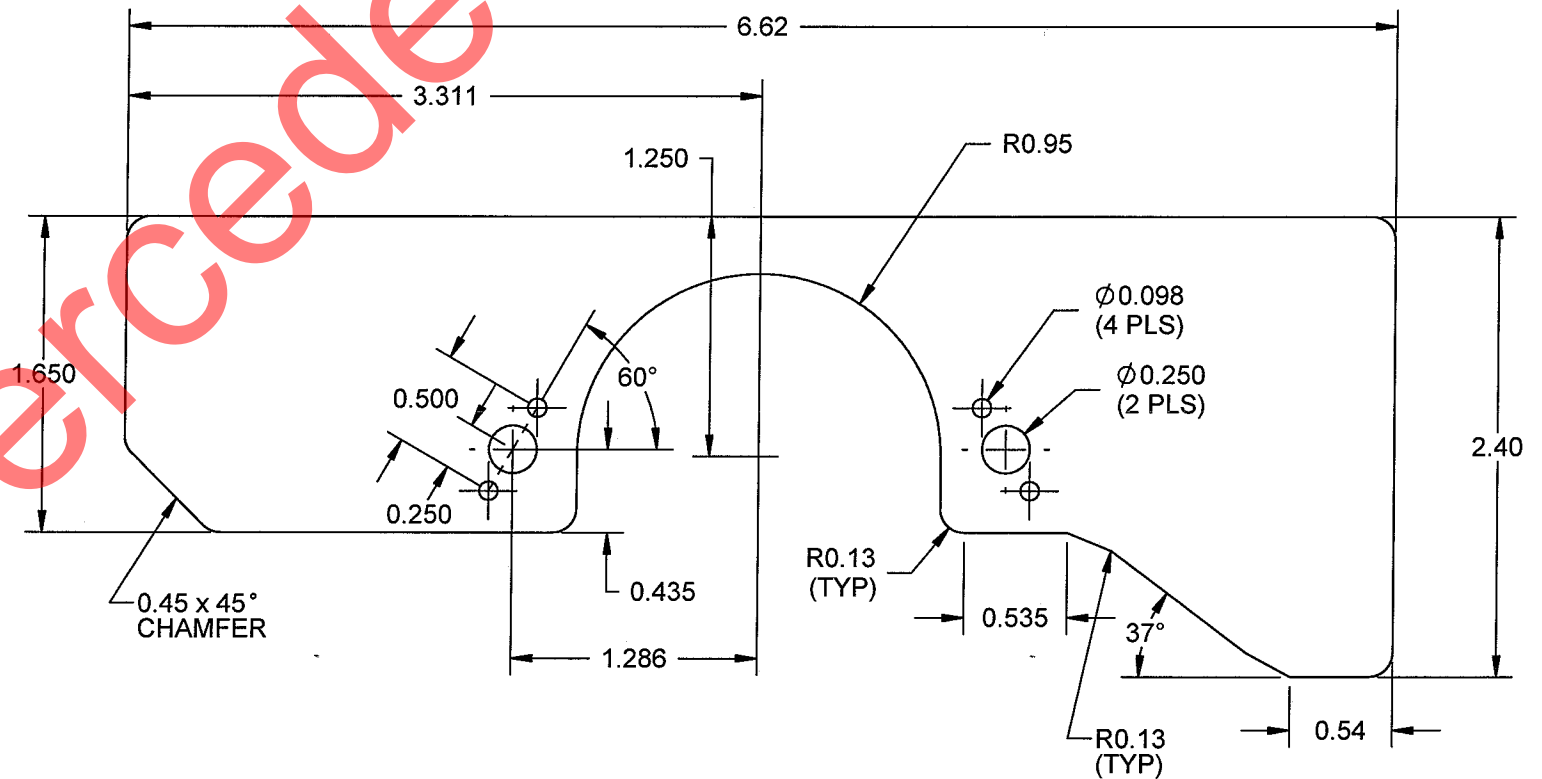
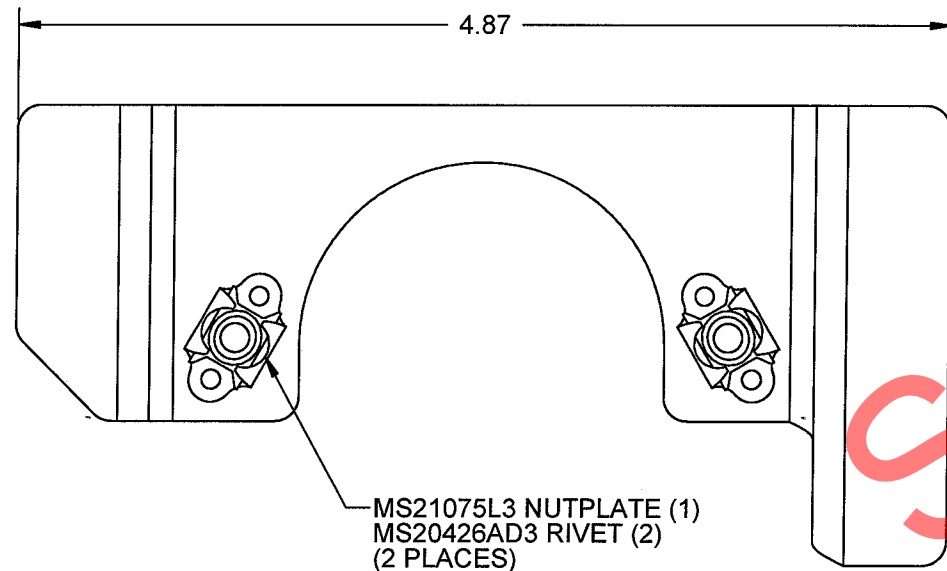
D

D



C

C



**D212-725-1-117F FLAT PATTERN**

**D212-725-1-117 FAIRLEAD BRACKET**  
(MAKE FROM D212-725-1-117F FLAT PATTERN)

**NOTES:**

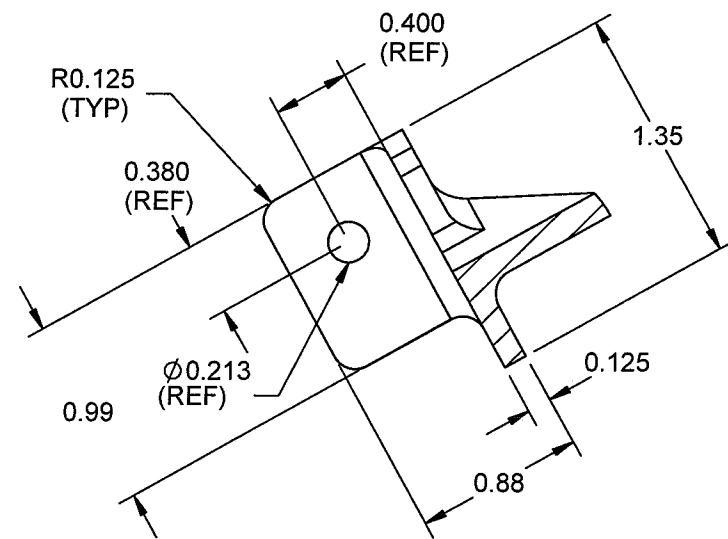
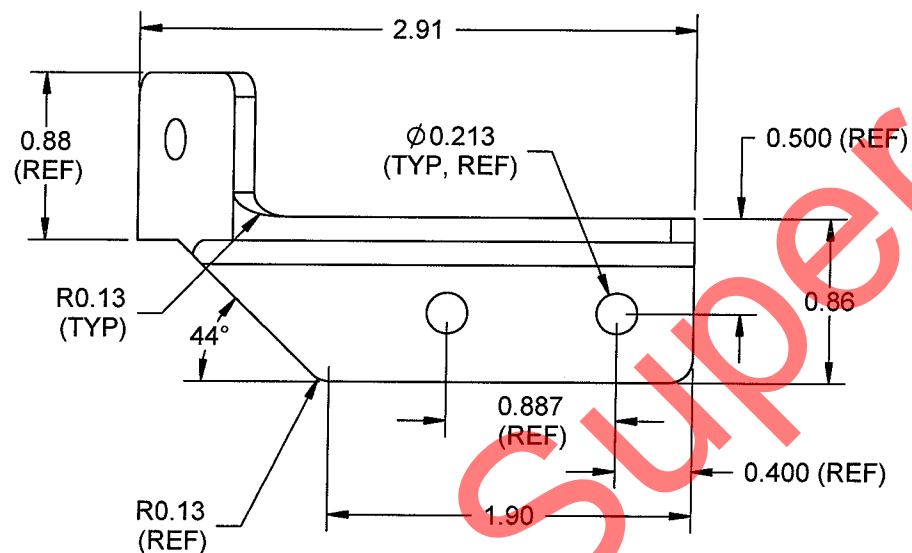
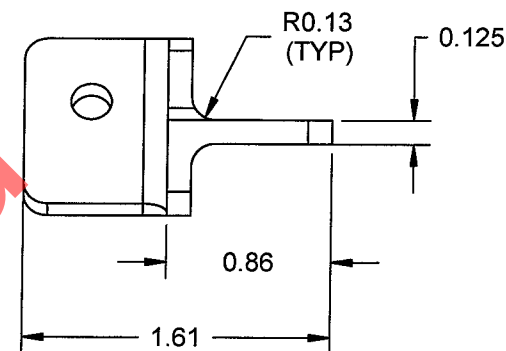
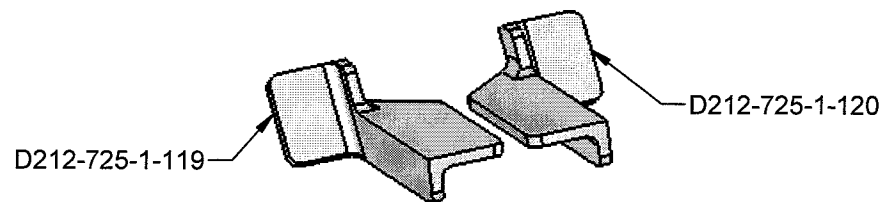
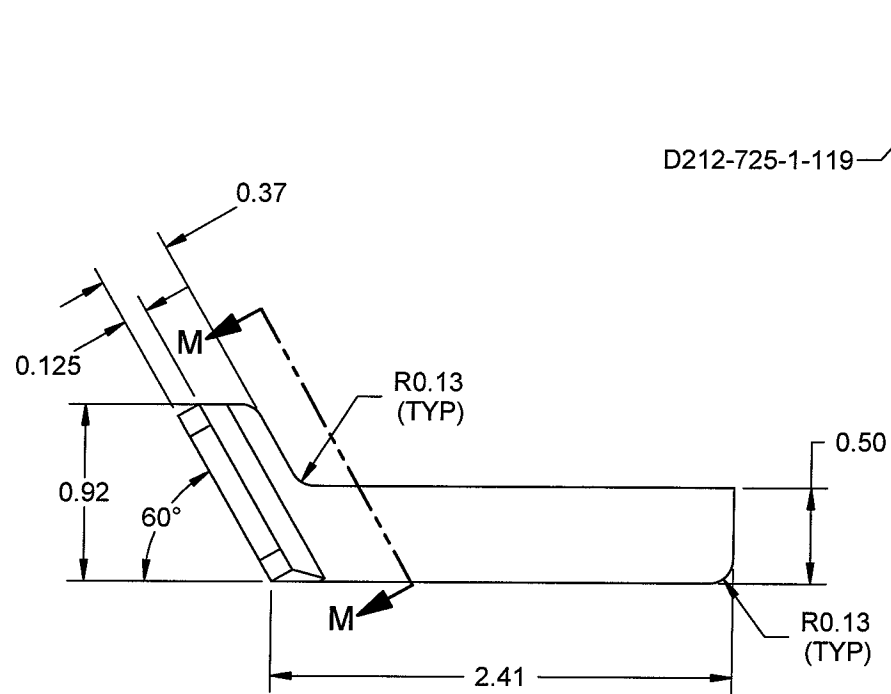
- 1) MATERIAL: 2024-T3 SHEET 0.040 THICK PER QQ-A-250/4 OR AMS 4037 (REF. DART M2024T3S.040)
- 2) FINISH: ACID ETCH, ALODINE 1200 OR 1201 PER MIL-C-5541 AND/OR PRIME & PAINT PER AIRCRAFT MAINTENANCE MANUAL
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 6) IDENTIFY WITH DART P/N USING FINE POINT PERMANENT INK MARKER

B	07.05.11	NO CHANGE
A	06.12.08	NEW ISSUE
DESIGN RF	DRAWN BY RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
CHECKED DS	APPROVED 	DRAWING NO. <b>D212-725-1</b> REV. B SHEET 37 OF 44
DATE <b>07.05.11</b>	TITLE <b>212S DETAIL PARTS</b>	SCALE 1:1
COPYRIGHT © 2006 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD		

8 7 6 5 4 3 2 1

A

A




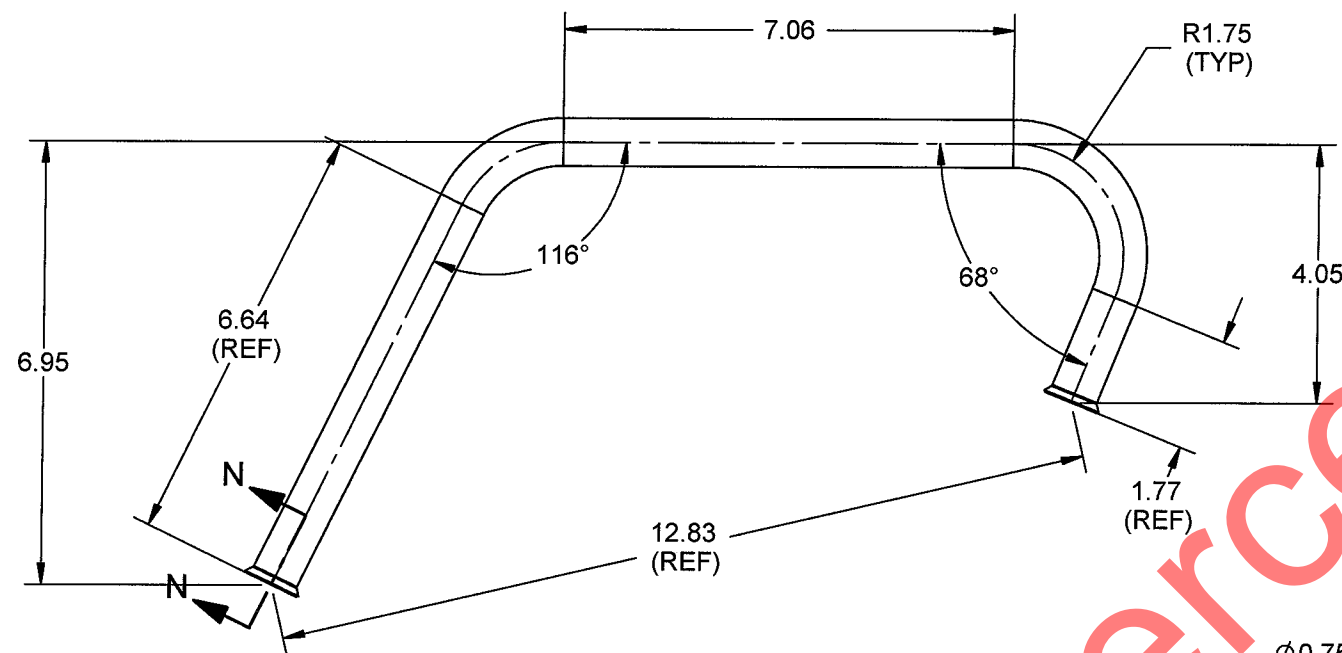
**D212-725-1-119 COWL BRACKET, SHOWN  
D212-725-1-120 OPPOSITE**  
( $\phi 0.213$  HOLES TRANSFER FROM AIRCRAFT)

**SECTION M-M**

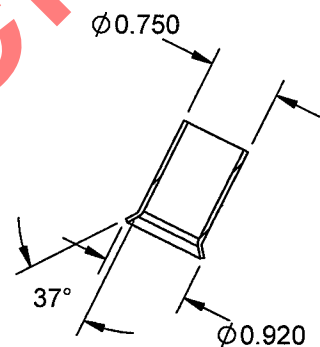
**NOTES:**

- 1) MATERIAL: 6061-T6 (QQ-A-200/8) OR (QQ-A-225/8) BAR (REF. DART SPEC. M6061T6B)
- 2) FINISH: ACID ETCH ALODINE 1200 OR 1201 PER MIL-C-5541 AND/OR PRIME & PAINT PER AIRCRAFT MAINTENANCE MANUAL
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 6) IDENTIFY WITH DART P/N USING FINE POINT PERMANENT INK MARKER

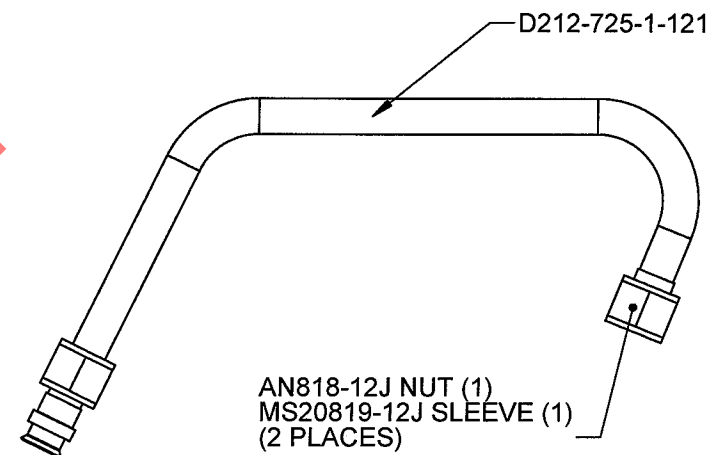
B	07.05.11	ADDED D212-725-1-119/-120	
DESIGN RF	DRAWN BY RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
CHECKED DS	APPROVED 	DRAWING NO. D212-725-1	REV. E SHEET 38 OF 44
DATE 07.05.11		TITLE 212S DETAIL PARTS	SCALE 1:1
COPYRIGHT © 2006 BY DART AEROSPACE LTD.			
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			



**D212-725-1-121 TUBING**  
MANUFACTURE PER TEMPLATE DT8911



SECTION N-N  
(FINISH FLARE ONE END  
AFTER ASSEMBLY)  
SCALE 1 : 2



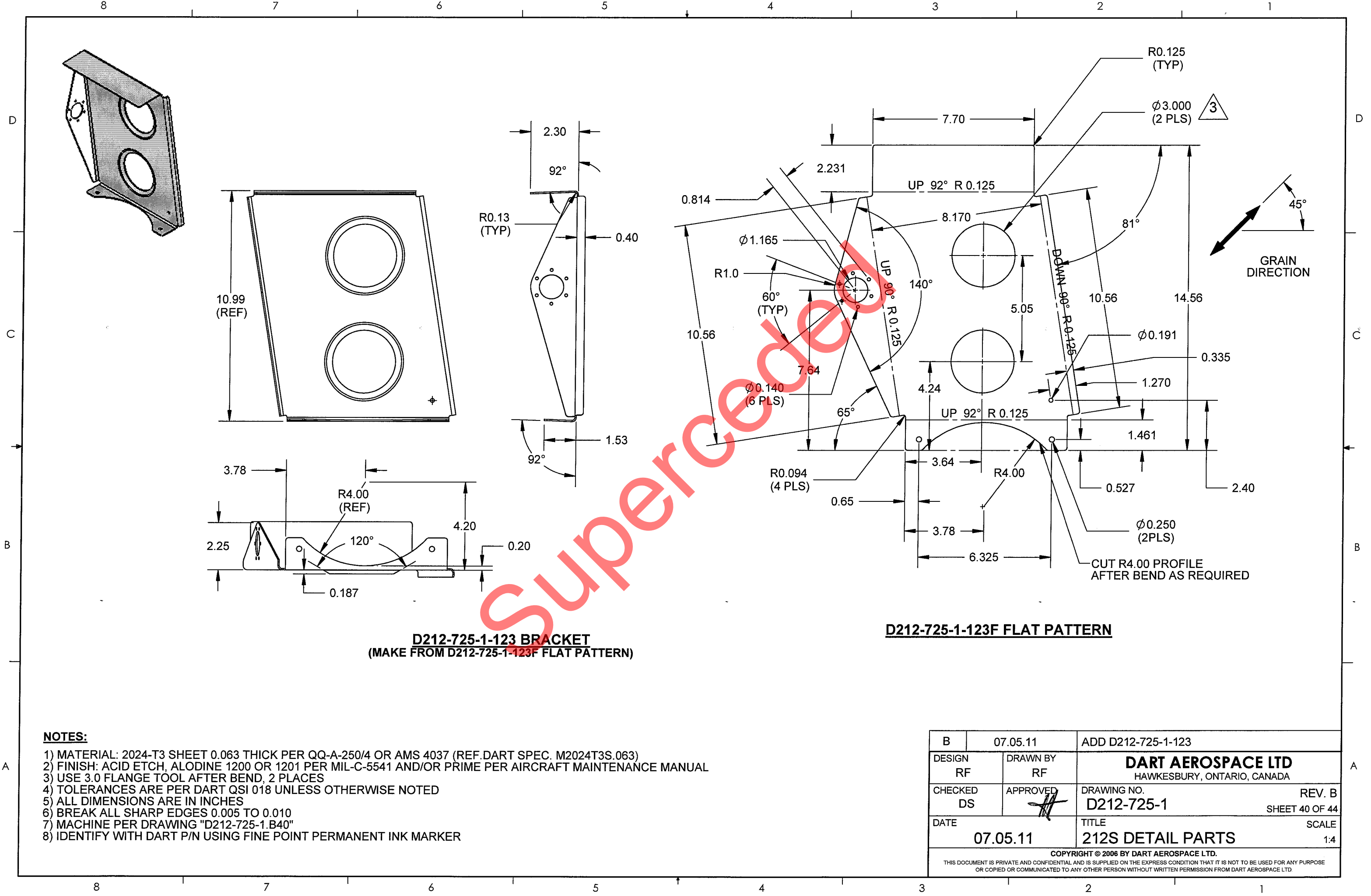
**D212-725-1-921 TUBE ASSEMBLY**

**NOTES:**

- 1) MATERIAL: AISI 304/316 SS Ø0.750 x 0.049 WALL SEAMLESS ROUND TUBING (REF. DART SPEC. M304TR0.750W.049)
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 6) IDENTIFY ASSEMBLY WITH DART P/N D212-725-1-921 USING FINE POINT PERMANENT INK MARKER

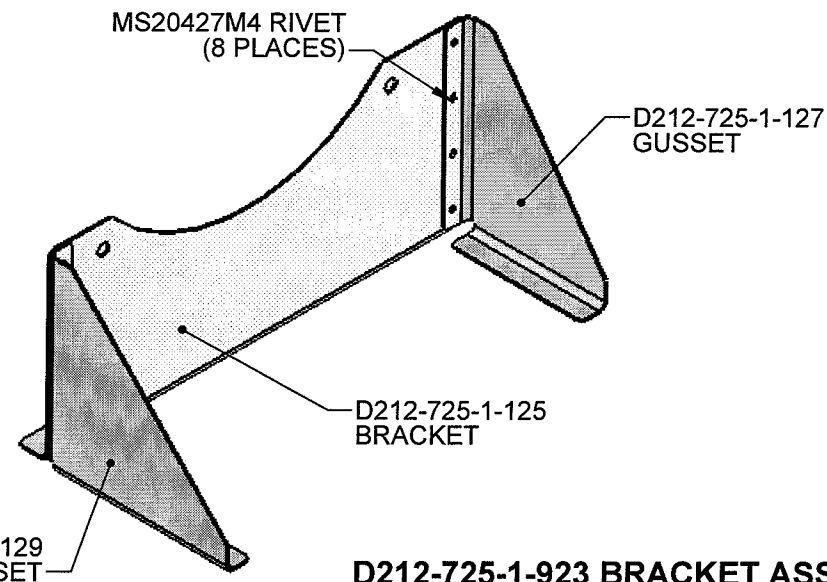
B	07.05.11	ADD D212-725-1-921	
DESIGN RF	DRAWN BY RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
CHECKED DS	APPROVED 	DRAWING NO. D212-725-1	REV. B SHEET 39 OF 44
DATE 07.05.11		TITLE 212S DETAIL PARTS	SCALE 1:3
COPYRIGHT © 2006 BY DART AEROSPACE LTD.			
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			



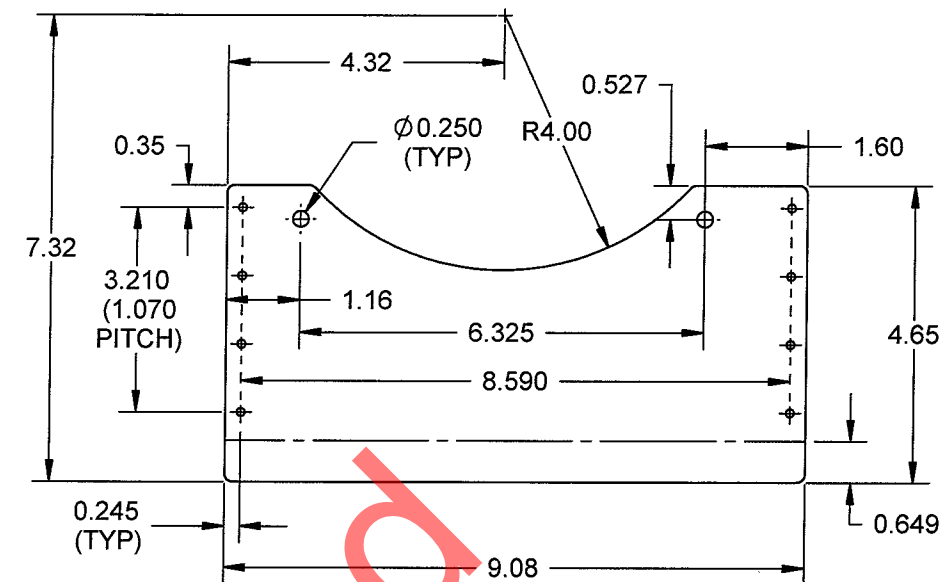


B	07.05.11	ADD D212-725-1-123	
DESIGN RF	DRAWN BY RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
CHECKED DS	APPROVED 	DRAWING NO. D212-725-1	REV. B SHEET 40 OF 44
DATE 07.05.11	TITLE 212S DETAIL PARTS		SCALE 1:4
COPYRIGHT © 2006 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			

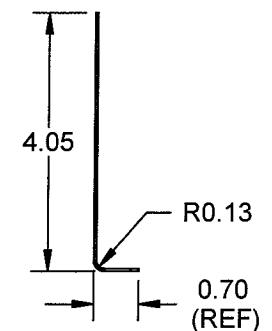




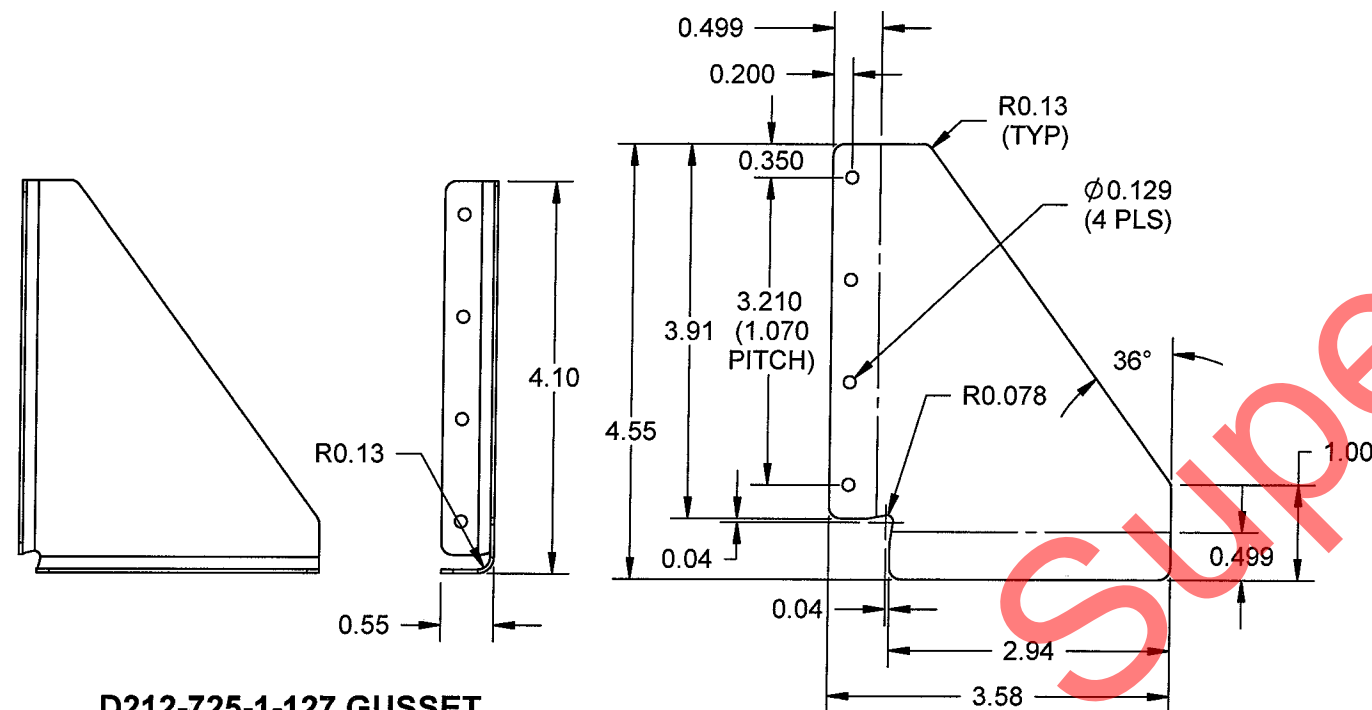
**D212-725-1-923 BRACKET ASSEMBLY**



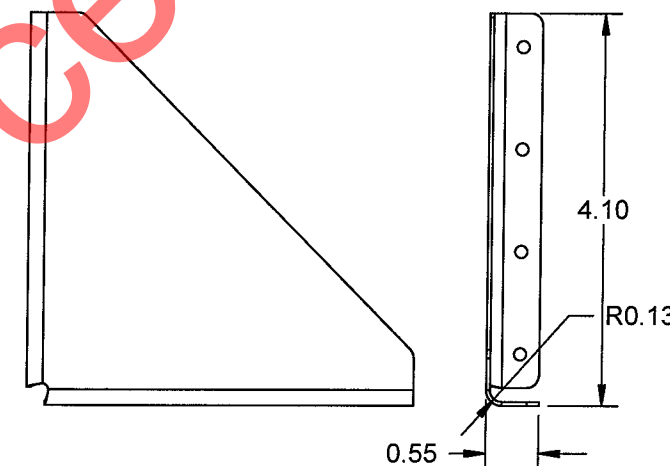
**D212-725-1-125F FLAT PATTERN**



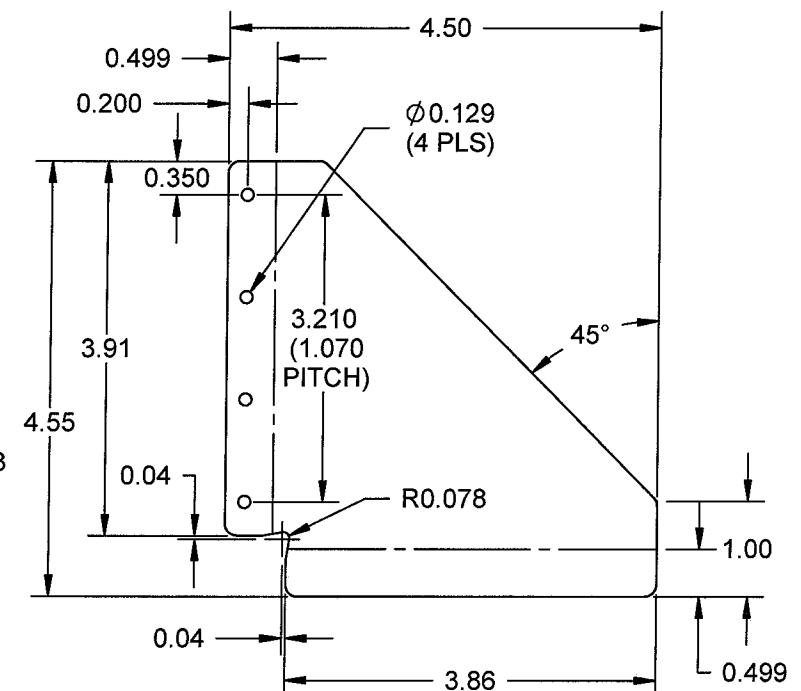
**D212-725-1-125 BRACKET**



**D212-725-1-127F FLAT PATTERN**



**D212-725-1-129 GUSSET**

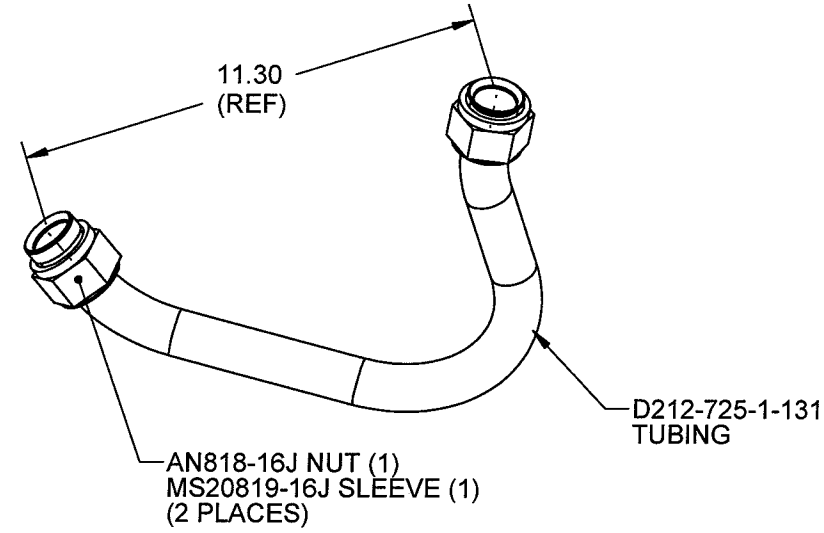


**D212-725-1-129F FLAT PATTERN**

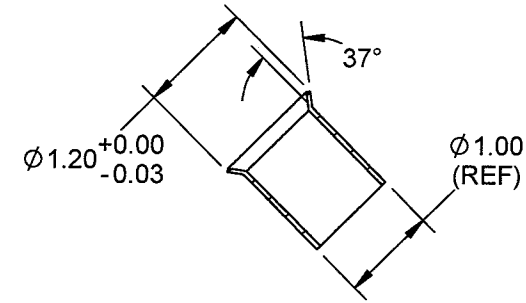
**NOTES:**

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET 0.040 (19 GAUGE) THICK PER MIL-S-5019 (REF. DART SPEC. M304S19GA)
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 6) IDENTIFY ASSEMBLY WITH DART P/N D212-725-1-923 USING FINE POINT PERMANENT INK MARKER

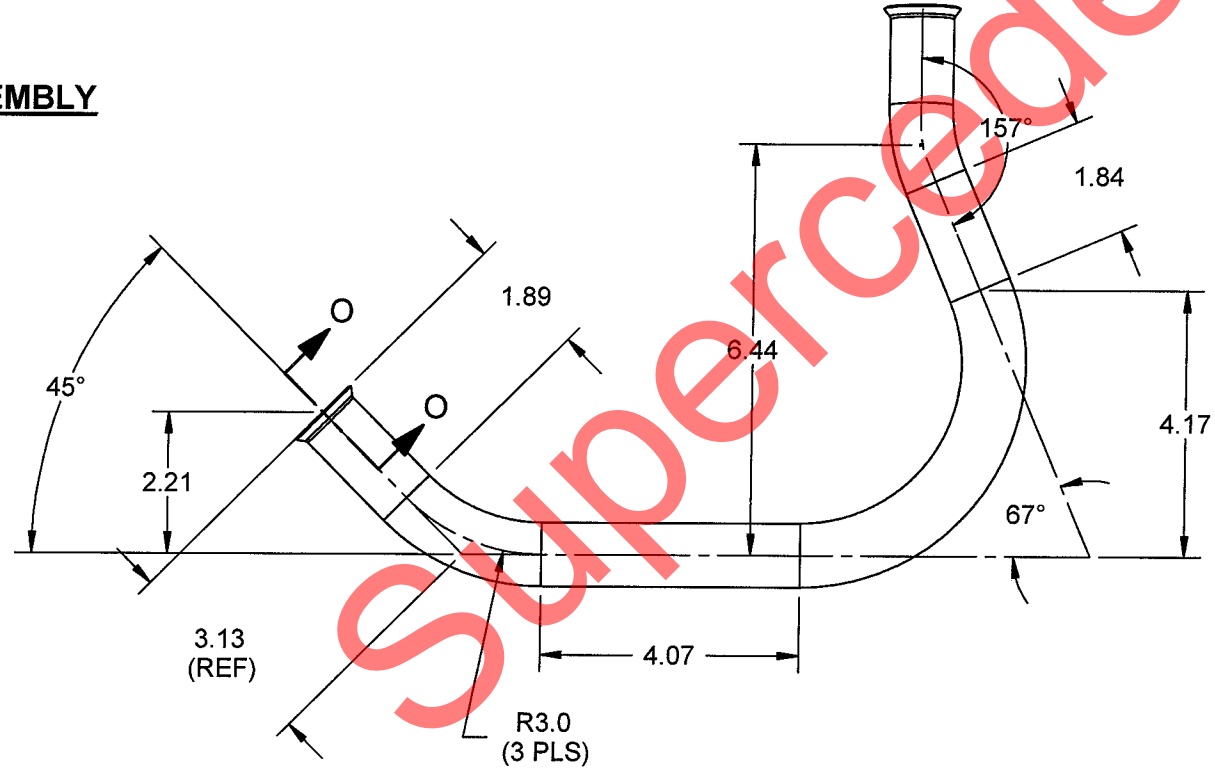
B	07.05.11	ADDED D212-725-1-125/-127/-129-923	
DESIGN	RF	DRAWN BY	RF
CHECKED	DS	APPROVED	<i>[Signature]</i>
DATE	07.05.11	TITLE	212S DETAIL PARTS
		DRAWING NO.	D212-725-1
		REV. B	SHEET 41 OF 44
		SCALE	1:2
COPYRIGHT © 2006 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			



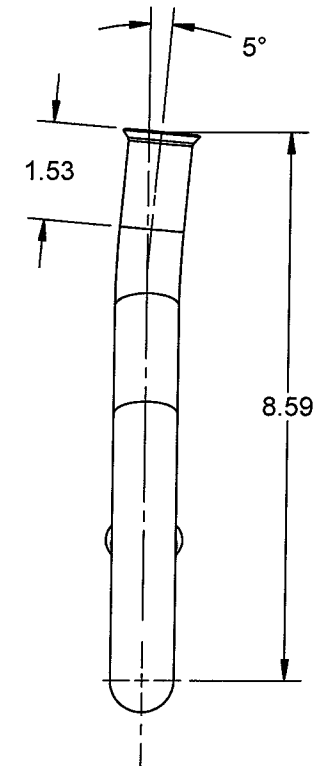
### D212-725-1-925 TUBE ASSEMBLY



SECTION O-O  
SCALE 1:2  
(FINISH FLARE ONE END  
AFTER ASSEMBLY)




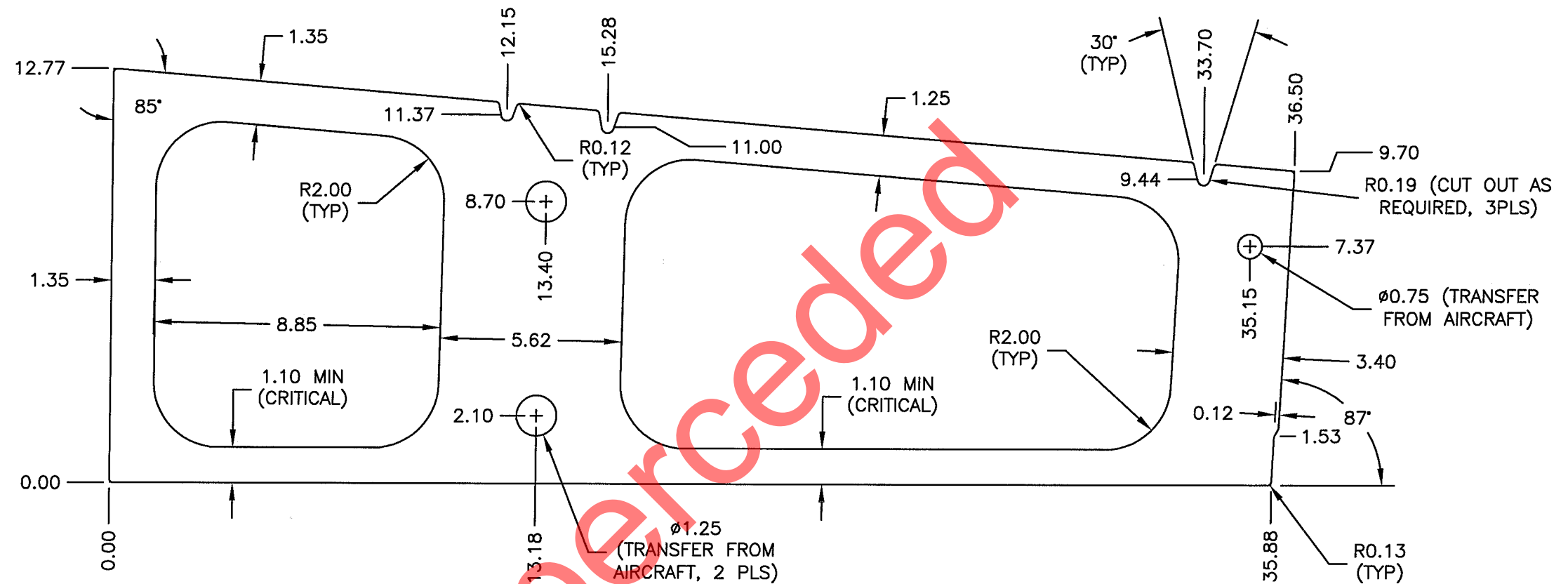
### D212-725-1-131 TUBING MANUFACTURE PER TEMPLATE DT8912



#### NOTES:

- 1) MATERIAL: AISI 304/316 SS Ø1.00 X 0.049 WALL SEAMLESS ROUND TUBING (REF. DART SPEC. M304TR1.000W.049)
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 6) IDENTIFY WITH DART P/N D212-725-1-925 USING FINE POINT PERMANENT INK MARKER

B	07.05.11	ADDED D212-725-1-131	
DESIGN DC	DRAWN BY RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
CHECKED DS	APPROVED 	DRAWING NO. D212-725-1	REV. B SHEET 42 OF 44
DATE 07.05.11	TITLE 212S DETAIL PARTS		SCALE 1:3
COPYRIGHT © 2006 BY DART AEROSPACE LTD.			
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			

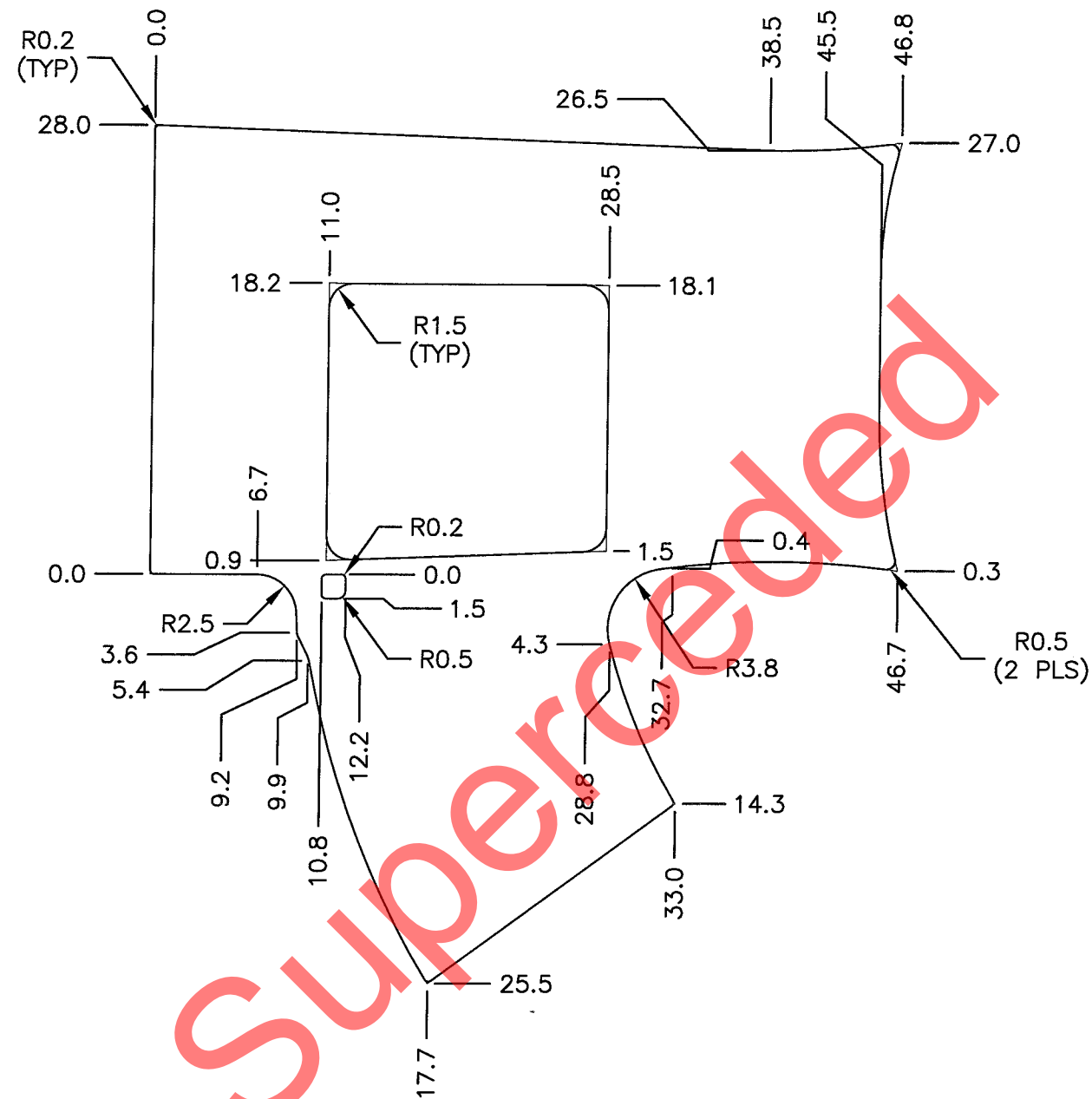


**D212-725-1-133 DOUBLER**  
ALL DIMENSIONS ARE REFERENCE EXCEPT AS NOTED  
LAYOUT USING TEMPLATE

**NOTES:**

- 1) MATERIAL: 7075-T6 OR 7075-T62 (QQ-A-250/13) 0.050 ALUMINUM SHEET (REF. DART SPEC. M7075T6S0.050)
- 2) FINISH: ACID ETCH, ALODINE 1200 OR 1201 PER MIL-C-5541 AND/OR PRIME & PAINT PER AIRCRAFT MAINTENANCE MANUAL
- 3) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) IDENTIFY WITH DART P/N USING FINE POINT PERMANENT INK MARKER


B	07.05.11	ADDED D212-725-1-133
DESIGN DS	DRAWN BY RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHECKED DS	APPROVED 	DRAWING NO. D212-725-1
DATE 07.05.11	TITLE 212S DETAIL PARTS	REV. B SHEET 43 OF 44 SCALE 1:4

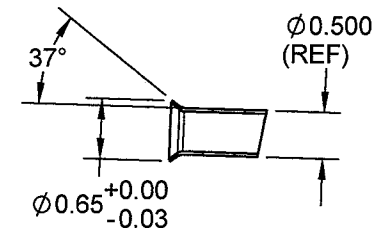
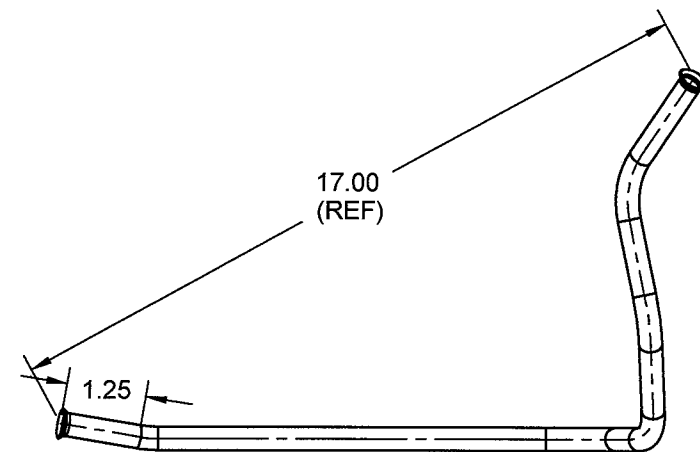


**D212-725-1-135 DOUBLER**  
LAYOUT USING TEMPLATE & FORM PER AIRCRAFT CONTOUR  
ALL DIMENSIONS ARE REFERENCE

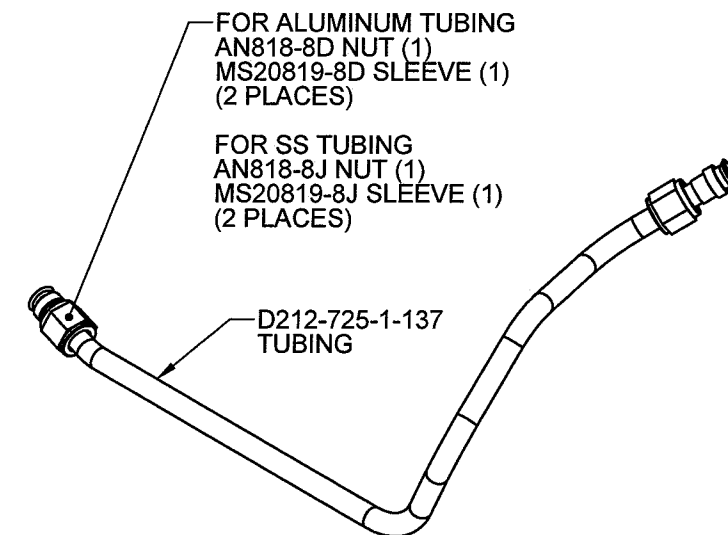
**NOTES:**

- 1) MATERIAL: 2024-T3 (QQ-A-250/5) 0.071 ALUMINUM SHEET (REF. DART SPEC. M2024T3S0.071)
- 2) FINISH: ACID ETCH, ALODINE 1200 OR 1201 PER MIL-C-5541 AND/OR PRIME & PAINT PER AIRCRAFT MAINTENANCE MANUAL
- 3) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) IDENTIFY WITH DART P/N USING FINE POINT PERMANENT INK MARKER

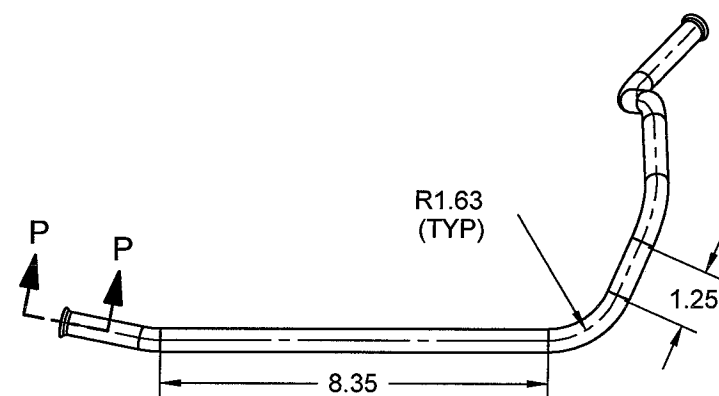
B	07.05.11	ADDED D212-725-1-135	
DESIGN DS	DRAWN BY RF	<b>DART</b>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHECKED DS	APPROVED 	DRAWING NO. D212-725-1	REV. B SHEET 44 OF 44
DATE 07.05.11	TITLE 212S DETAIL PARTS		SCALE NTS



SECTION P-P  
SCALE 1:2  
(FINISH FLARE ONE  
END AFTER ASSEMBLY)



**D212-725-1-927 TUBE ASSEMBLY**



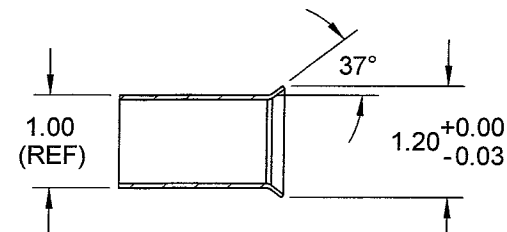
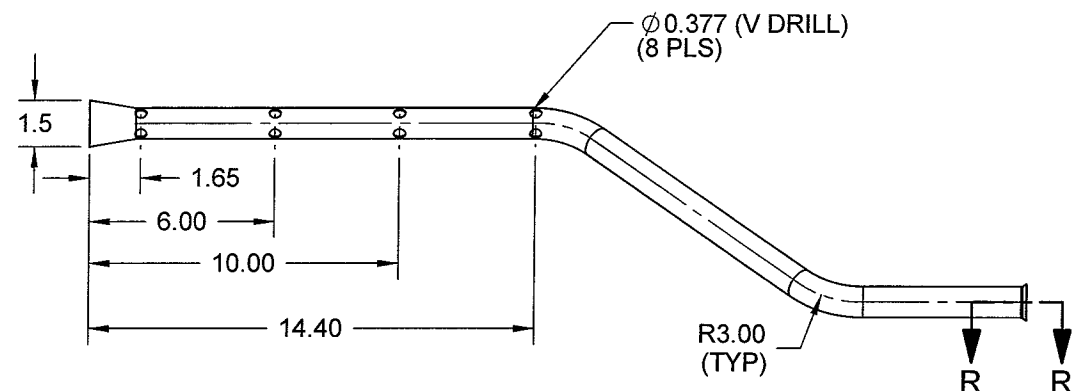
**D212-725-1-137 TUBING**  
MANUFACTURE PER TEMPLATE DT8913

**NOTES:**

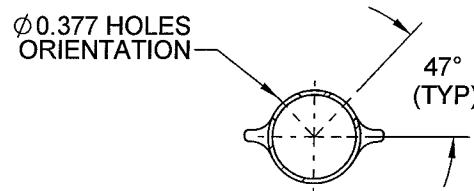
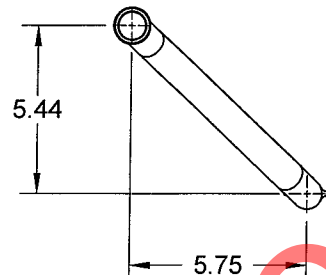
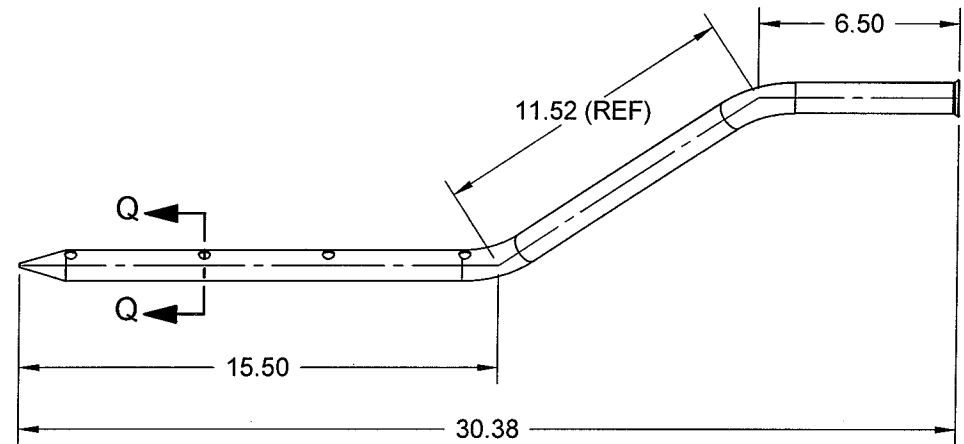
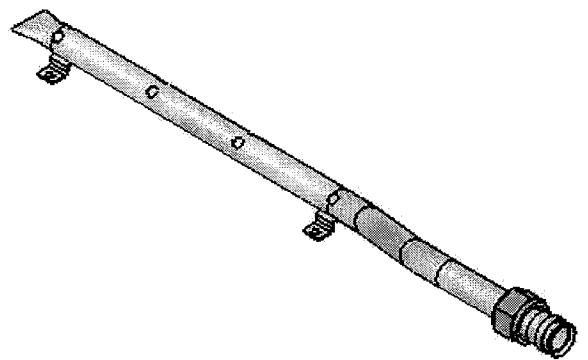
- 1) MATERIAL: 6061-T6 OR 6061-T62 ALUMINUM TUBING  $\phi 0.500 \times 0.035$  WALL (REF. DART SPEC. M6061T6TR0.500W0.035) OR AISI 304/316 SS  $\phi 0.500 \times 0.035$  WALL SEAMLESS ROUND TUBING (REF. DART SPEC. M304TR0.500W0.035)
- 2) FINISH: FOR ALUMINUM ACID ETCH, ALODINE 1200 OR 1201 PER MIL-C-5541
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART ASSEMBLY P/N D212-725-1-927 USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: N/A

DESIGN	RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	DS	DRAWING NO.	REV. C
MFG. APPR.	M/A	D212-725-1	SHEET 45 OF 49
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	212S DETAIL PARTS	1:4
DATE	07.12.04	<small>COPYRIGHT © 2006 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

8 7 6 5 4 3 2 1

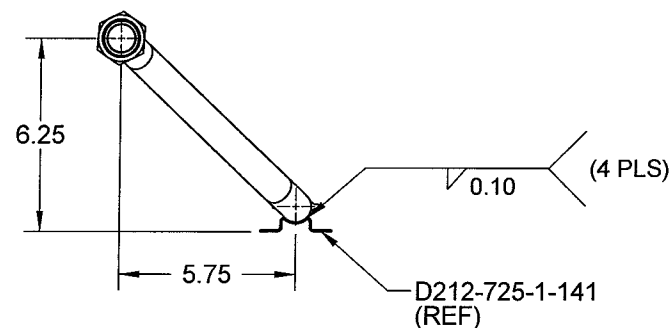
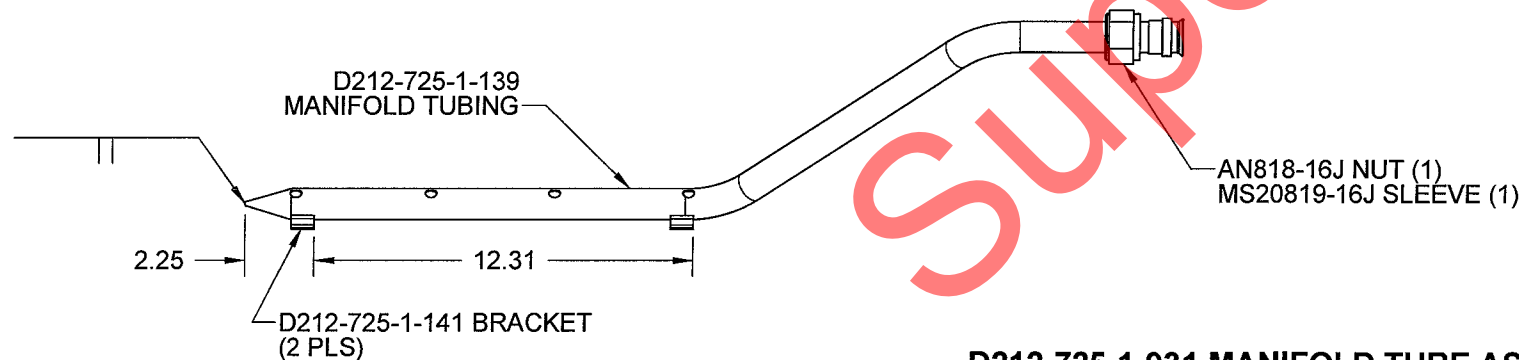


SECTION R-R  
(FLARE AFTER  
ASSEMBLY OF  
SLEEVE & NUT)



SECTION Q-Q

D212-725-1-139 MANIFOLD TUBING  
MANUFACTURE PER TEMPLATE DT8914



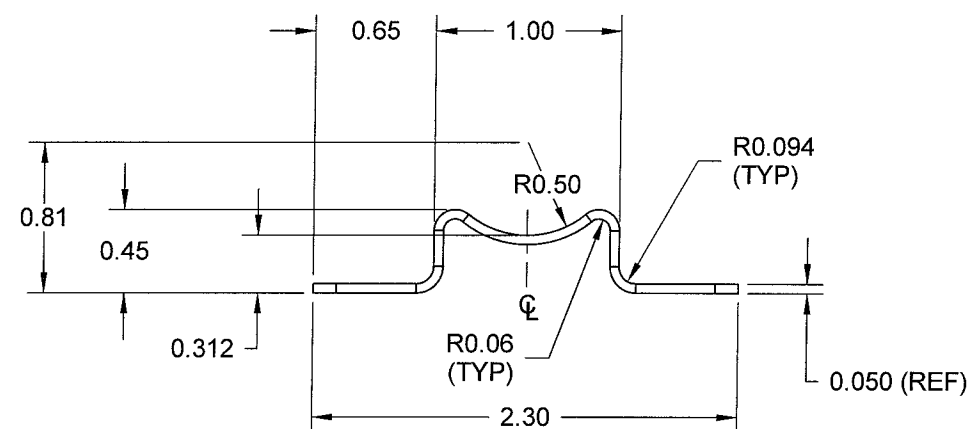
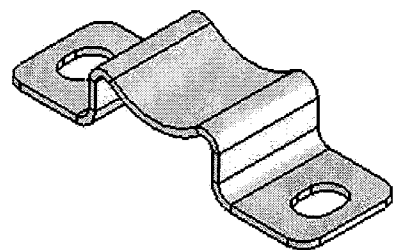
D212-725-1-931 MANIFOLD TUBE ASSY

- NOTES:
- 1) MATERIAL: AISI 304/316 SS  $\phi$  1.00 x 0.049 WALL SEAMLESS ROUND TUBING (REF. DART SPEC. M304TR1.000W.049)
  - 2) FINISH: NONE
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: IDENTIFY WITH DART ASSEMBLY P/N D212-725-1-931 USING FINE POINT PERMANENT INK MARKER
  - 7) WEIGHT: N/A
  - 8) WELD PER DART QSI 004

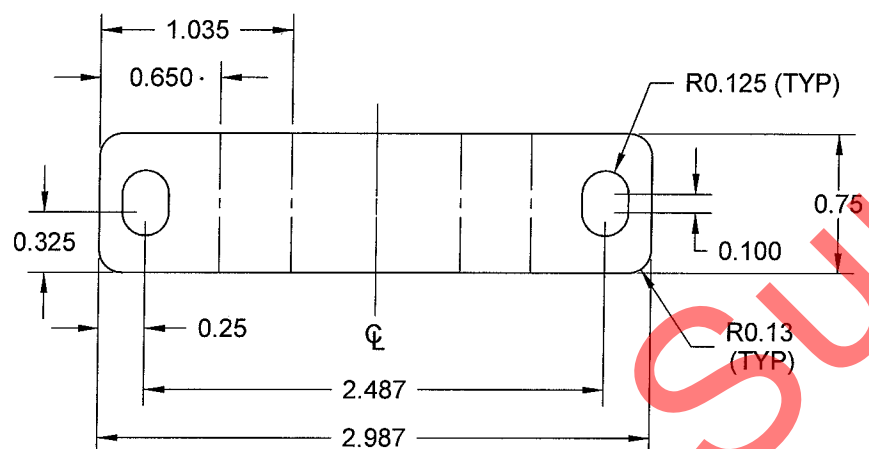
DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	DS	DRAWING NO.	REV. C
MFG. APPR.		D212-725-1	SHEET 46 OF 49
APPROVED		TITLE	SCALE
DE APPR.		212S DETAIL PARTS	1:6
DATE	07.12.04	COPYRIGHT © 2006 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

8 7 6 5 4 3 2 1





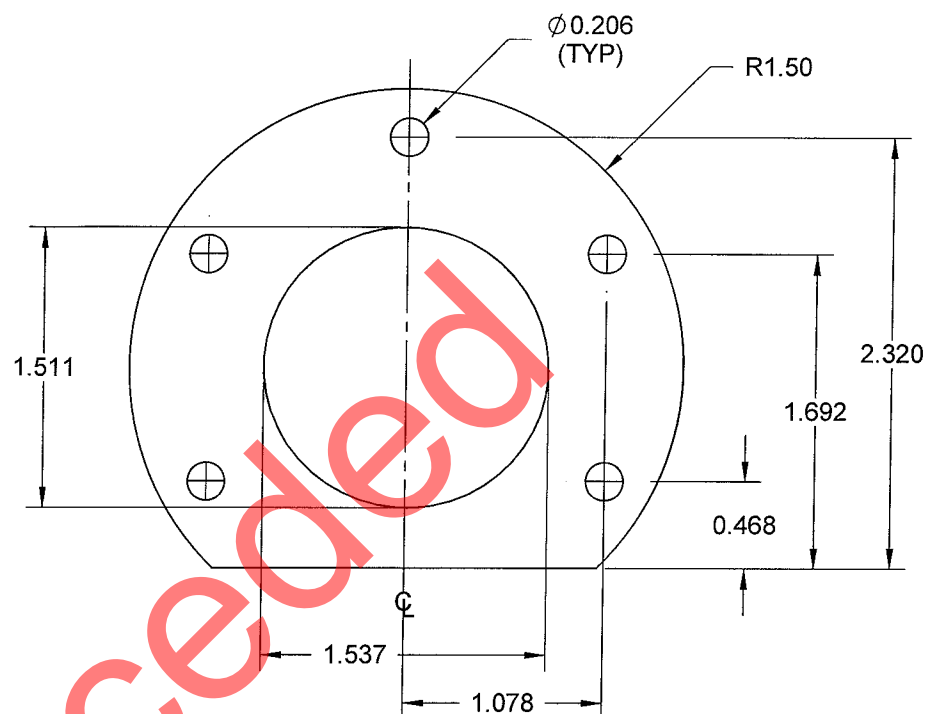
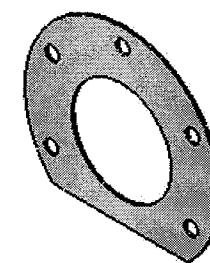
**D212-725-1-141 BRACKET**  
(MAKE FROM D212-725-1-141F)



**D212-725-1-141F FLAT PATTERN**

**D212-725-1-141 NOTES:**

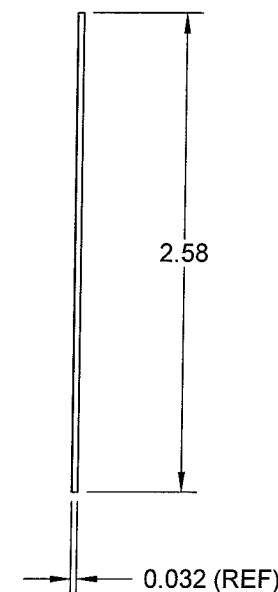
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL 0.050 THICK (18 GAUGE) SHEET, PER MIL-S-5019 (REF. DART SPEC. M304S18GA)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A



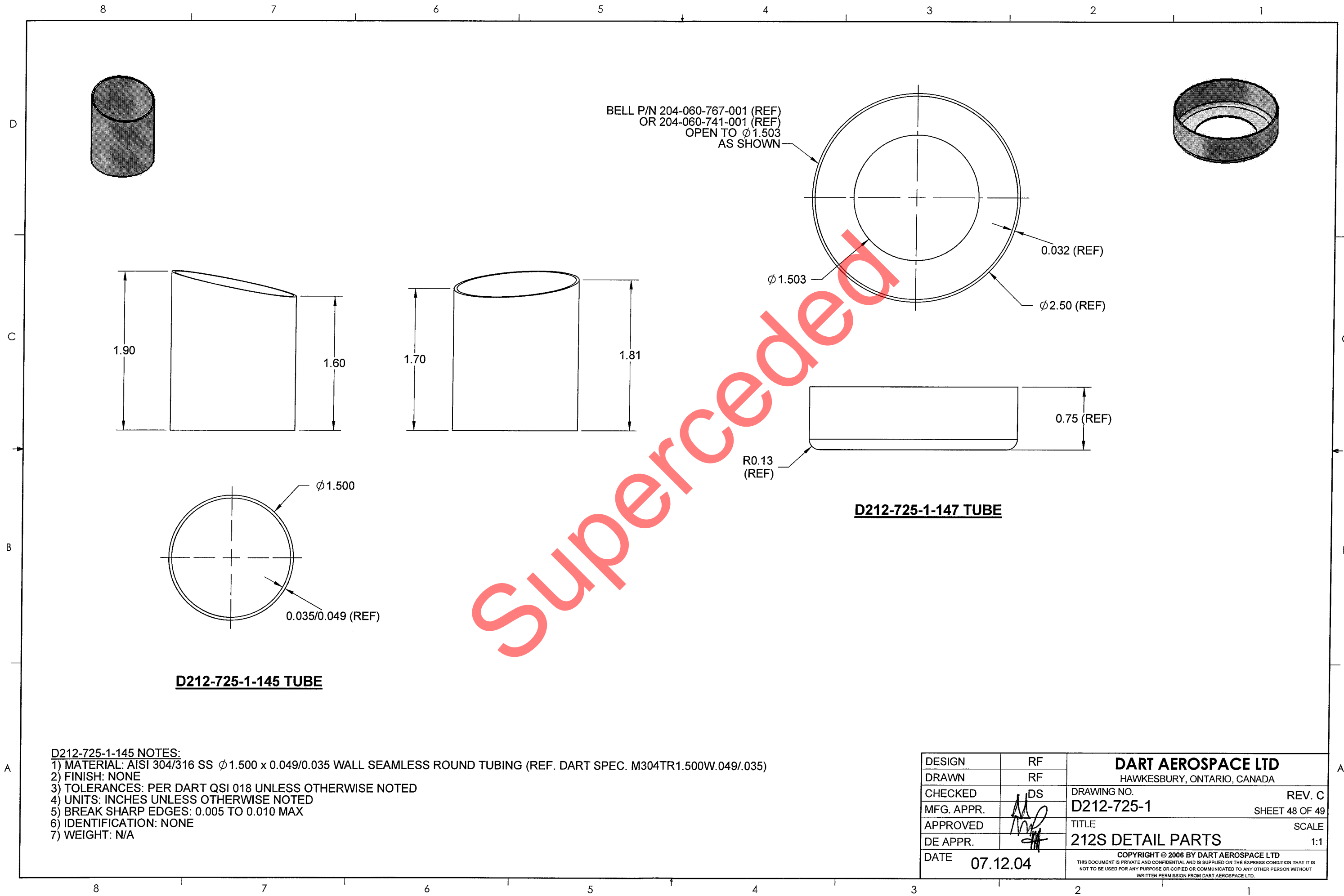
**D212-725-1-143 BASE PLATE**

**D212-725-1-143 NOTES:**

- 1) MATERIAL: AISI 301/304 STAINLESS STEEL 1/4 HARD 0.032 THICK (22 GAUGE) SHEET, PER MIL-S-5019 (REF. DART SPEC. M304S22GA)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A



DESIGN	RF	<b>DART AEROSPACE LTD</b>	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	DS	DRAWING NO.	REV. C
MFG. APPR.		<b>D212-725-1</b>	SHEET 47 OF 49
APPROVED		TITLE	SCALE
DE APPR.		<b>212S DETAIL PARTS</b>	1:1
DATE	07.12.04	<small>COPYRIGHT © 2006 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	



**D212-725-1-145 TUBE**

**D212-725-1-147 TUBE**

- D212-725-1-145 NOTES:**  
1) MATERIAL: AISI 304/316 SS  $\phi$  1.500 x 0.049/0.035 WALL SEAMLESS ROUND TUBING (REF. DART SPEC. M304TR1.500W.049/.035)  
2) FINISH: NONE  
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
4) UNITS: INCHES UNLESS OTHERWISE NOTED  
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX  
6) IDENTIFICATION: NONE  
7) WEIGHT: N/A

DESIGN	RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	DS	DRAWING NO.	REV. C
MFG. APPR.	<i>[Signature]</i>	<b>D212-725-1</b>	SHEET 48 OF 49
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	<b>212S DETAIL PARTS</b>	1:1
DATE	07.12.04	COPYRIGHT © 2006 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

